

**Service  
Service  
Service**

For Commercial / Institutional model service information, refer to manual 7602C

**7602**

# ServiceManual

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## IMPORTANT SAFETY NOTICE

Proper service and repair is important to the safe, reliable operation of all Philips Consumer Electronics Company\*\* Equipment. The service procedures recommended by Philips and described in this service manual are effective methods of performing service operations. Some of these service operations require the use of tools specially designed for the purpose. The special tools should be used when and as recommended.

It is important to note that this manual contains various **CAUTIONS** and **NOTICES** which should be carefully read in order to minimize the risk of personal injury to service personnel. The possibility exists that improper service methods may damage the equipment. It also is important to understand that these **CAUTIONS** and **NOTICES ARE NOT EXHAUSTIVE**. Philips could not possibly know, evaluate and advise the service trade of all conceivable ways in which service might be done, or of the possible hazardous consequences of each way. Consequently, Philips has not undertaken any such broad evaluation. Accordingly, a servicer who uses a service procedure or tool which is not recommended by Philips must first satisfy himself thoroughly that neither his safety nor the safe operation of the equipment will be jeopardized by the service method selected.


\*\* Hereafter throughout this manual, Philips Consumer Electronics Company will be referred to as Philips.

## WARNING

Critical components having special safety characteristics are identified with a  or "S" by the Ref. No. in the parts list and enclosed within a broken line\* (where several critical components are grouped in one area) along with the safety symbol  on the schematics or exploded views. Use of substitute replacement parts which do not have the same specified safety characteristics may create shock, fire, or other hazards. Under no circumstances should the original design be modified or altered without written permission from Philips. Philips assumes no liability, express or implied, arising out of any unauthorized modification of design. Servicer assumes all liability.

\* Broken Line \_\_\_\_\_

## FIRE AND SHOCK HAZARD

1. Be sure all components are positioned in such a way as to avoid the possibility of adjacent component shorts. This is especially important on those chassis which are transported to and from the service shop.
2. Never release a repaired unit unless all protective devices such as insulators, barriers, covers, strain reliefs, and other hardware have been installed in accordance with the original design.
3. Soldering and wiring must be inspected to locate possible cold solder joints, solder splashes, sharp solder points, frayed leads, pinched leads, or damaged insulation (including the ac cord). Be certain to remove loose solder balls and all other loose foreign particles.
4. Check across-the-line components and other components for physical evidence of damage or deterioration and replace if necessary. Follow original layout, lead length, and dress.
5. No lead or component should touch a receiving tube or a resistor rated at 1 watt or more. Lead tension around protruding metal surfaces or edges must be avoided.
6. Critical components having special safety characteristics are identified with an 'S' by the Ref. No. in the parts list and enclosed within a broken line\* (where several critical components are grouped in one area) along with the safety symbol  on the schematic diagrams and /or exploded views.
7. When servicing any unit, always use a separate isolation transformer for the chassis. Failure to use a separate isolation transformer may expose you to possible shock hazard, and may cause damage to servicing instruments.
8. Many electronic products use a polarized ac line cord (one wide pin on the plug). Defeating this safety feature may create a potential hazard to the servicer and the user. Extension cords which do not incorporate the polarizing feature should never be used.
9. After reassembly of the unit, always perform an ac leakage test or resistance test from the line cord to all exposed metal parts of the cabinet. Also, check all metal control shafts (with knobs removed), antenna terminals, handles, screws, etc., to be sure the unit may be safely operated without danger of electrical shock.

\* **Broken line** \_\_\_\_ - \_\_\_\_ - \_\_\_\_ - \_\_\_\_

## LEAKAGE CURRENT COLD CHECK

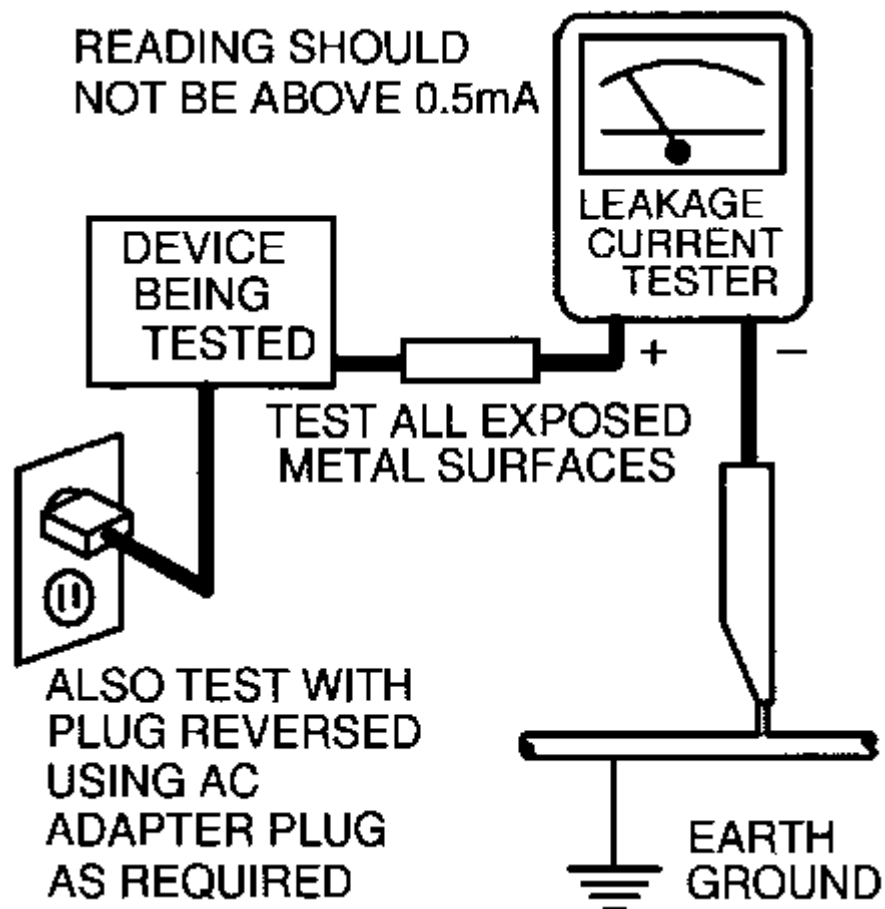
1. Unplug the ac line cord and connect a jumper between the two prongs of the plug.
2. Turn on the power switch.
3. Measure the resistance value between the jumpered ac plug and all exposed cabinet parts of the receiver, such as screw heads, antennas, and control shafts. When the exposed metallic part has a return path to the chassis, the reading should be between 1 megohm and 5.2 megohms. When the exposed metal does not have a return path to the chassis, the reading must be infinity. Remove the jumper from the ac line cord.

## LEAKAGE CURRENT HOT CHECK

1. Do not use an isolation transformer for this test. Plug the completely reassembled receiver directly into the ac outlet.
2. Connect a 1.5k, 10W resistor paralleled by a 0.15uF. capacitor between each exposed metallic cabinet part and a good earth ground such as a water pipe, as shown below.
3. Use an ac voltmeter with at least 5000 ohms/volt sensitivity to measure the potential across the resistor.
4. The potential at any point should not exceed 0.75 volts. A leakage current tester may be used to make this test; leakage current must not exceed 0.5mA. If a measurement is outside of the specified limits, there is a possibility of shock hazard. The receiver should be repaired and rechecked before returning it to the customer.
5. Repeat the above procedure with the ac plug reversed. (Note: An ac adapter is necessary when a polarized plug is used. Do not defeat the polarizing feature of the plug.)

## OR

With the instrument completely reassembled, plug the ac line cord directly into a 120Vac outlet. (Do not use an isolation transformer during this test.) Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI) C101.1 Leakage Current for Appliances and Underwriters Laboratories (UL) 1410, (50.7). With the instrument ac switch first in the on position and then in the off position, measure from a known earth ground (metal water pipe, conduit, etc.) to all exposed metal parts of the instrument (antennas, handle brackets, metal cabinet, screw heads, metallic overlays, control shafts, etc.), especially any exposed metal parts that offer an electrical return path to the chassis. Any current measured must not exceed 0.5mA. Reverse the instrument power cord plug in the outlet and repeat the test. See the graphic below.



# TV SAFETY NOTES

## SAFETY CHECKS

After the original service problem has been corrected, a complete safety check should be made. Be sure to check over the entire set, not just the areas where you have worked. Some previous servicer may have left an unsafe condition, which could be unknowingly passed on to your customer. Be sure to check all of the following:

- Fire and Shock Hazard
- Implosion
- X-Radiation
- Leakage Current Cold Check
- Leakage Current Hot Check
- Picture Tube Replacement
- Parts Replacement

**WARNING:** Before removing the CRT anode cap, turn the unit OFF and short the HIGH VOLTAGE to the CRT DAG ground.

**SERVICE NOTE:** The CRT DAG is not at chassis ground.

## IMPLOSION

1. All picture tubes used in current model receivers are equipped with an integral implosion system. Care should always be used, and safety glasses worn, whenever handling any picture tube. Avoid scratching or otherwise damaging the picture tube during installation.
2. Use only replacement tubes specified by the manufacturer.

## X-RADIATION

1. Be sure procedures and instructions to all your service personnel cover the subject of X-radiation. Potential sources of X-rays in TV receivers are the picture tube and the high voltage circuits. The basic precaution which must be exercised is to keep the high voltage at the factory recommended level.
2. To avoid possible exposure to X-radiation and electrical shock, only the manufacturer's specified anode connectors must be used.
3. It is essential that the service technician has an accurate HV meter available at all times. The calibration of this meter should be checked periodically against a reference standard.
4. When the HV circuitry is operating properly there is no possibility of an X-radiation problem. High voltage should always be kept at the manufacturer's rated value - no higher - for optimum performance. Every time a color set is serviced, the brightness should be run up and down while monitoring the HV with a meter to be certain that the HV is regulated correctly and does not exceed the specified value. We suggest that you and your technicians review test procedures so that HV and HV regulation are always checked as a standard servicing procedure, and the reason for this prudent routine is clearly understood by everyone. It is important to use an accurate and reliable HV meter. It is recommended that the HV reading be recorded on each customer's invoice, which will demonstrate a proper concern for the customer's safety.

5. When troubleshooting and making test measurements in a receiver with a problem of excessive high voltage, reduce the line voltage by means of a Variac to bring the HV into acceptable limits while troubleshooting. Do not operate the chassis longer than necessary to locate the cause of the excessive HV.
6. New picture tubes are specifically designed to withstand higher operating voltages without creating undesirable X-radiation. It is strongly recommended that any shop test fixture which is to be used with the new higher voltage chassis be equipped with one of the new type tubes designed for this service. Addition of a permanently connected HV meter to the shop test fixture is advisable. The CRT types used in these new sets should never be replaced with any other types, as this may result in excessive X-radiation.
7. It is essential to use the specified picture tube to avoid a possible X-radiation problem.
8. Most TV receivers contain some type of emergency "Hold Down" circuit to prevent HV from rising to excessive levels in the presence of a failure mode. These various circuits should be understood by all technicians servicing them, especially since many hold down circuits are inoperative as long as the receiver performs normally.

## **PICTURE TUBE REPLACEMENT**

The primary source of X-radiation in this television receiver is the picture tube. The picture tube utilized in this chassis is specially constructed to limit X-radiation emissions. For continued X-radiation protection, the replacement tube must be the same type as the original, including suffix letter, or a Philips approved type.

## **PARTS REPLACEMENT**

Many electrical and mechanical parts in Philips television sets have special safety related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. The use of a substitute part which does not have the same safety characteristics as the Philips recommended replacement part shown in this service manual may create shock, fire, or other hazards.

## **PRODUCT SAFETY GUIDELINES FOR ALL PRODUCTS**

**CAUTION:** Do not modify any circuit. Service work should be performed only after you are thoroughly familiar with all of the following safety checks. Risk of potential hazards and injury to the user increases if safety checks are not adhered to.

**USE A SEPARATE ISOLATION TRANSFORMER FOR THIS UNIT WHEN SERVICING.**

## PREVENTION OF ELECTROSTATIC DISCHARGE (ESD)

Some semiconductor solid state devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electrostatic discharge (ESD).

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device. Some solder removal devices not classified as "antistatic (ESD protected)" can generate an electrical charge sufficient to damage ES devices.
5. Do not use Freon propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it (most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

**CAUTION:** Be sure no power is applied to the chassis or circuit and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your feet from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device.)

### **NOTE to CATV system Installer:**

This reminder is provided to call the CATV system installer's attention to article 820-22 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.



## PRACTICAL SERVICE PRECAUTIONS

**IT MAKES SENSE TO AVOID EXPOSURE TO ELECTRICAL SHOCK.** While some sources are expected to have a possible dangerous impact, others of quite high potential are of limited current and are sometimes held in less regard.

**ALWAYS RESPECT VOLTAGES.** While some may not be dangerous in themselves, they can cause unexpected reactions – reactions that are best avoided. Before reaching into the powered color TV set, it is best to test the high voltage insulation. It is easy to do, and is just a good service precaution.

**BEFORE POWERING UP THE TV WITH THE BACK OFF** (or on a test fixture), attach a clip lead to the CRT DAG ground and to a screwdriver blade that has a well insulated handle. After the TV is powered on and high voltage has developed, probe the anode lead with the blade, starting at the bottom of the High Voltage Transformer (flyback – IFT). Move the blade to within two inches of the connector of the CRT. **IF THERE IS AN ARC, YOU FOUND IT THE EASY WAY, WITHOUT GETTING A SHOCK!** If there is an arc to the screwdriver blade, replace the High Voltage Transformer or the lead, (if removable) whichever is causing the problem.

## PICTURE TUBE REPLACEMENT PROCEDURE

Note: a. Two (2) people are required to handle this picture tube.  
b. Safety Glasses must be worn during this procedure or whenever directly handling a picture tube.  
c. Take care in each step not to damage the CRT or the cabinet.

1. Remove the Chassis and the CRT Socket Board Module from the cabinet.
2. A furniture pad or blanket should be positioned on the floor to support only the CRT Face. This pad or blanket should be high enough to keep the CRT Face approximately 12 to 14 inches off the floor.
3. Using two people, place the cabinet in a front down position with the CRT Face on the pad or blanket.
4. Place padded blocks under each corner of the cabinet to keep it from rocking.
5. Remove the four screws, at the corners of the CRT.
6. With two people lowering the cabinet to the floor, leave the CRT elevated by the pad or blanket.

Note: Take care not to grasp the neck of the CRT during this procedure, as it is extremely fragile.

7. Two (2) people may then lift the CRT from the cabinet.
8. Remove the degaussing coil from the defective CRT and mount on the replacement. Take care to maintain the exact shape and fit.

To install the new CRT, reverse steps 1 to 7.

# GENERAL INFORMATION

## L8 Chassis, Manual 7602

**Note: For Service Information covering Commercial/Institutional Models, refer to Manual 7602C.**

## Technical Specifications

### ***Audio ratings***

1 W mono  
2 x 1 W non-DBX stereo (LC stereo)  
2 x 3 W DBX stereo (with SAP)

### ***Reception***

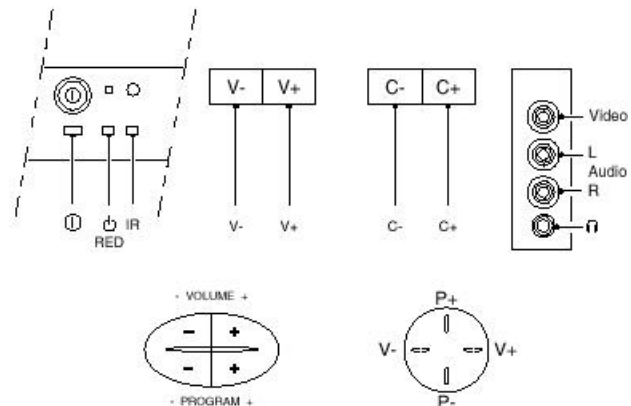
|                    |                                       |
|--------------------|---------------------------------------|
| Tuning system      | : PLL                                 |
| Color systems      | : NTSC                                |
| Sound systems      | : FM-mono<br>BTSC non-DBX<br>BTSC DBX |
| A/V connections    | : NTSC M                              |
| Channel selections | : 181 channels, full cable            |
| IF frequency       | : 45.75 MHz                           |
| Aerial input       | : 75 $\Omega$ , Coax                  |

### ***Miscellaneous***

|                           |                             |
|---------------------------|-----------------------------|
| AC voltage                | : 90 - 140 V ( $\pm 10$ %)  |
| AC frequency              | : 60 Hz ( $\pm 5$ %)        |
| Ambient temperature       | : + 5 to + 45 deg. C        |
| Maximum humidity          | : 90 %                      |
| Power consumption         | : 36 W (14")<br>100 W (32") |
| Standby Power consumption | : < 3 W                     |

## Connections

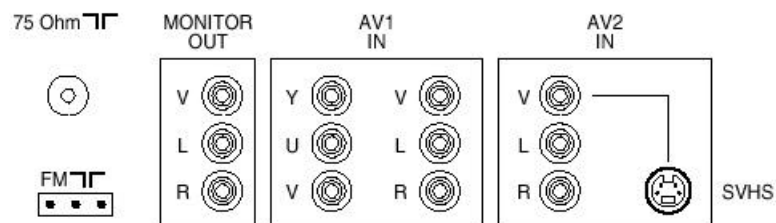
### Front Or Top Control, Front Or Side Connections



#### Audio / Video In

|               |                                  |  |
|---------------|----------------------------------|--|
| 1 - Video 1   | Vpp / 75 $\Omega$                |  |
| 2 - Audio L   | (0.2 Vrms / 10 k $\Omega$ )      |  |
| 3 - Audio R   | (0.2 Vrms / 10 k $\Omega$ )      |  |
| 4 - Headphone | (3.5 mm) 8 - 600 $\Omega$ / 4 mW |  |

### Rear Connections



#### Monitor Out

|           |                              |  |
|-----------|------------------------------|--|
| 1 - Video | 1 Vpp / 75 $\Omega$          |  |
| 2 - Audio | L (0.5 Vrms / 1 k $\Omega$ ) |  |
| 3 - Audio | R (0.5 Vrms / 1 k $\Omega$ ) |  |

#### YUV In

|       |                       |  |
|-------|-----------------------|--|
| 1 - Y | 0.7 Vpp / 75 $\Omega$ |  |
| 2 - U | 0.7 Vpp / 75 $\Omega$ |  |
| 3 - V | 0.7 Vpp / 75 $\Omega$ |  |

### AV1 In

|           |                               |                    |
|-----------|-------------------------------|--------------------|
| 4 - Video | 1 Vpp / 75 $\Omega$           | $\oplus$ $\ominus$ |
| 5 - Audio | L (0.5 Vrms / 10 k $\Omega$ ) | $\oplus$ $\ominus$ |
| 6 - Audio | R (0.5 Vrms / 10 k $\Omega$ ) | $\oplus$ $\ominus$ |

### AV2 In

|           |                               |                    |
|-----------|-------------------------------|--------------------|
| 1 - Video | 1 Vpp / 75 $\Omega$           | $\oplus$ $\ominus$ |
| 2 - Audio | L (0.5 Vrms / 10 k $\Omega$ ) | $\oplus$ $\ominus$ |
| 3 - Audio | R (0.5 Vrms / 10 k $\Omega$ ) | $\oplus$ $\ominus$ |

### AV2 In (SVHS)

|       |                       |          |
|-------|-----------------------|----------|
| 1 -   | gnd                   | $\perp$  |
| 2 -   | gnd                   | $\perp$  |
| 3 - Y | 1 Vpp / 75 $\Omega$   | $\oplus$ |
| 4 - C | 0.3 Vpp / 75 $\Omega$ | $\oplus$ |

## Maintenance Instructions

It is recommended to have a maintenance inspection carried out by qualified service personnel. The interval depends on the usage conditions:

- When the set is used under normal circumstances, for example in a living room, the recommended interval is three to five years.
- When the set is used in an environment with higher dust, grease or moisture levels, for example in a kitchen, the recommended interval is one year.
- The maintenance inspection includes the following actions:
  1. Perform the 'general repair instruction' noted above.
  2. Clean the power supply and deflection circuitry on the chassis.
  3. Clean the picture tube panel and the neck of the picture tube.

## Notes

- Measure the voltages and waveforms with regard to the chassis (= tuner) ground ( $\perp$ ), or hot ground ( $\perp \text{ } \nabla$ ), depending on the area of circuitry being tested.
- The voltages and waveforms shown in the diagrams are indicative. Measure them in the Service Default Mode with a color bar signal and stereo sound (L: 3 kHz, R: 1 kHz unless stated otherwise) and picture carrier at 475.25 MHz (PAL) or 61.25 MHz (NTSC, channel 3).
- Where necessary, measure the waveforms and voltages with ( $\text{RF}$ ) and without ( $\text{X}$ ) aerial signal. Measure the voltages in the power supply section both in normal operation ( $\text{I}$ ) and in standby ( $\text{U}$ ). These values are indicated by means of the appropriate symbols.

- The picture tube panel has printed spark gaps. Each spark gap is connected between an electrode of the picture tube and the Aquadag coating.
- The semiconductors indicated in the circuit diagram and in the parts lists are completely interchangeable per position with the semiconductors in the unit, irrespective of the type indication on these semiconductors.

## Abbreviation list

|             |  |
|-------------|--|
| 2CS         | 2 Carrier (or Channel) Stereo  |
| ACI         | Automatic Channel Installation: algorithm that installs TV sets directly from cable network by means of a predefined TXT page                    |
| ADC         | Analogue to Digital Converter  |
| AFC         | Automatic Frequency Control: control signal used to tune to the correct frequency  |
| AFT         | Automatic Fine Tuning  |
| AGC         | Automatic Gain Control: algorithm that controls the video input of the featurebox  |
| AM          | Amplitude Modulation   |
| AP          | Asia Pacific   |
| AR          | Aspect Ratio: 4 by 3 or 16 by 9  |
| ATS         | Automatic Tuning System  |
| AV          | External Audio Video   |
| AVL         | Automatic Volume Level   |
| BC-PROT     | Beam Current Protection  |
| BCL         | Beam Current Limitation  |
| B/G         | Monochrome TV system. Sound carrier distance is 5.5 MHz  |
| BLC-        |  |
| INFORMATION | Black current information  |
| BTSC        | Broadcast Television Standard Committee. Multiplex FM stereo sound system, originating from the USA and used e.g. in LATAM and AP-NTSC countries |
| B-TXT       | Blue teletext  |
| CC          | Closed Caption   |
| ComPair     | Computer aided rePair  |
| CRT         | Cathode Ray Tube or picture tube   |
| CSM         | Customer Service Mode  |
| CTI         | Colour Transient Improvement: manipulates steepness of chroma transients   |
| CVBS        | Composite Video Blanking and Synchronisation   |
| DAC         | Digital to Analogue Converter  |
| DBE         | Dynamic Bass Enhancement: extra low frequency amplification  |
| DBX         | Dynamic Bass Expander  |
| D/K         | Monochrome TV system. Sound carrier distance is 6.5 MHz  |
| DFU         | Direction For Use: description for the end user  |
| DNR         | Dynamic Noise Reduction  |
| DSP         | Digital Signal Processing  |
| DST         | Dealer Service Tool: special remote control designed for dealers to enter e.g. service mode  |

|             |  |
|-------------|--|
| DVD         | Digital Versatile Disc   |
| EEPROM      | Electrically Erasable and Programmable Read Only Memory  |
| EHT         | Extra High Tension   |
| EHT-        |  |
| INFORMATION | Extra High Tensioninformationrmation   |
| EU          | Europe   |
| EW          | East West, related to horizontal deflection of the set   |
| EXT         | External (source), entering the set via SCART or Cinch   |
| FBL         | Fast Blanking: DC signal accompanying RGB signals  |
| FILAMENT    | Filament of CRT  |
| FLASH       | Flash memory   |
| FM          | Field Memory   |
| FM          | Frequency Modulation   |
| HA          | Horizontal Acquisition: horizontal sync pulse coming out of the HIP  |
| HFB         | Horizontal Flyback Pulse: horizontal sync pulse from large signal deflection   |
| HP          | Headphone  |
| Hue         | Colour phase control for NTSC (not the same as 'Tint')   |
| I           | Monochrome TV system. Sound carrier distance is 6.0 MHz  |
| I2C         | Integrated IC bus  |
| IF          | Intermediate Frequency   |
| IIC         | Integrated IC bus  |
| Interlaced  | Scan mode where two fields are used to form one frame. Each field contains half the number of the total amount of lines. The fields are written in "pairs", causing line flicker.                                  |
| ITV         | Institutional TV   |
| LATAM       | Latin America  |
| LED         | Light Emitting Diode   |
| L/L'        | Monochrome TV system. Sound carrier distance is 6.5 MHz. L' is Band I, L is all bands except for Band I  |
| LNA         | Low Noise Amplifier  |
| LS          | Large Screen   |
| LS          | Loudspeaker  |
| LSP         | Large signal panel   |
| M/N         | Monochrome TV system. Sound carrier distance is 4.5 MHz  |
| MSP         | Multistandard Sound Processor: ITT sound decoder   |
| MUTE        | Mute-Line  |
| NC          | Not Connected  |
| NICAM       | Near Instantaneous Compounded Audio Multiplexing. This is a digital sound system, mainly used in Europe.   |
| NTSC        | National Television Standard Committee. Colour system mainly used in North America and Japan. Colour carrier NTSC M/N = 3.579545 MHz, NTSC 4.43 = 4.433619 MHz (this is a VCR norm, it is not transmitted off-air) |
| NVM         | Non Volatile Memory: IC containing TV related data e.g. alignments   |
| OB          | Option Byte  |
| OC          | Open Circuit   |

|                  |   |
|------------------|---|
| OSD              | On Screen Display   |
| PAL              | Phase Alternating Line. Colour system mainly used in West Europe (colour carrier = 4.433619 MHz) and South America (colour carrier PAL M = 3.575612 MHz and PAL N = 3.582056 MHz) |
| PCB              | Printed Circuit board   |
| PIP              | Picture In Picture  |
| PLL              | Phase Locked Loop. Used for e.g. FST tuning systems. The customer can give directly the desired frequency   |
| POR              | Power-On Reset  |
| Progressive Scan | Scan mode where all scan lines are displayed in one frame at the same time, creating a double vertical resolution.  |
| PTP              | Picture Tube Panel (or CRT-panel)   |
| RAM              | Random Access Memory  |
| RC               | Remote Control handset  |
| RC5              | Remote Control system 5, signal from the remote control receiver  |
| RGB              | Red Green Blue  |
| ROM              | Read Only Memory  |
| SAM              | Service Alignment Mode  |
| SAP              | Second Audio Program  |
| SC               | Sandcastle: pulse derived from sync signals   |
| S/C              | Short Circuit   |
| SCAVEM           | Scan Velocity Modulation  |
| SCL              | Serial Clock  |
| SDA              | Serial Data   |
| SDM              | Service Default Mode  |
| SECAM            | SEquence Couleur Avec Memoire. Colour system mainly used in France and East Europe. Colour carriers = 4.406250 MHz and 4.250000 MHz   |
| SIF              | Sound Intermediate Frequency  |
| SS               | Small Screen  |
| STBY             | Standby   |
| SVHS             | Super Video Home System   |
| SW               | Software  |
| THD              | Total Harmonic Distortion   |
| TXT              | Teletext  |
| μP               | Microprocessor  |
| UOC              | Ultimate One Chip   |
| VA               | Vertical Acquisition  |
| VBAT             | Main supply voltage for the deflection stage (mostly 141 V)   |
| V-chip           | Violence Chip   |
| VCR              | Video Cassette Recorder   |
| WYSIWYR          | What You See Is What You Record: record selection that follows main picture and sound   |
| XTAL             | Quartz crystal  |
| YC               | Luminance (Y) and Chrominance (C) signal  |

# Schematic notes

| Diversity tabel A1 |                |             |                          |     |
|--------------------|----------------|-------------|--------------------------|-----|
| Item               | Description    | 14"/19" DBX | 19" Mono, Stereo Non-DBX | 13" |
| 1515               | Relay 5A       | X           | X                        |     |
| 2505               | 2n2 1kV        |             |                          | X   |
| 2566               | 47U 25V        | X           |                          |     |
| 2580               | 47U 25V        | X           | X                        |     |
| 3508               | 1M5            | X           | X                        |     |
| 3560               | 47R            | X           |                          |     |
| 3567               | 2K2            | X           |                          |     |
| 3568               | 8K2            | X           |                          |     |
| 3580               | 47K            | X           | X                        |     |
| 6561               | BYW76-RAS15/10 | X           | X                        |     |
| 6580               | BA S316        | X           | X                        |     |
| 6581               | BA S316        | X           | X                        |     |
| 7562               | BC857B         | X           |                          |     |
| 7564               | BC857B         | X           |                          |     |
| 7580               | BC857B         | X           | X                        |     |
| 9503               | Wire           |             |                          | X   |

\* FOR MAINS 120V AC 170V (177V)  
220V AC 309V (317V)

.V.. Normal Operation  
(..V..) Standy Mode

↓ HOT GROUND

⊥ COLD GROUND

Items marked with a \*, but not mentioned in the diversity table have no diversity in this product.



Schematic notes

| Diversity tabel A2 |                 |               |                                     |     |                     |
|--------------------|-----------------|---------------|-------------------------------------|-----|---------------------|
| Item               | Description     | 14" Real flat | 19" CRT A48EJF03X110/A48JLL40X46(M) | 13" | 19" CRT A48KRD89X04 |
|                    |                 |               |                                     |     |                     |
| 2402               | 560N 250V       |               | X                                   | X   | X                   |
| 2404               | 360N 250V       | X             |                                     |     |                     |
| 2416               | 470P            | X             | X                                   | X   |                     |
| 5403               | 33U             |               |                                     | X   | X                   |
| 5406               | COI LINCOR DRUM | X             |                                     |     |                     |
| 9403               | Wire            | X             | X                                   |     |                     |
| 9404               | Wire            |               | X                                   | X   | X                   |

Items marked with a \*, but not mentioned in the diversity table have no diversity in this product.

# \$ K + Schematic notes

| AP / CH | 14" | 17" | 20" | 21" | 21" CHINA |
|---------|-----|-----|-----|-----|-----------|
| 3471    | 5R6 | 3R3 | 3R3 | 3R3 | 3R3       |
| 3472    | 5R6 | 3R3 | 5R6 | 3R3 | 3R9       |

| LATAM | 14" | 20" | 21" |
|-------|-----|-----|-----|
| 3471  | 6R8 | 3R9 | 3R3 |
| 3472  | 3R9 | 3R9 | 3R3 |

| NAFTA | 13V | 19V |
|-------|-----|-----|
| 3471  | 6R8 | 3R9 |
| 3472  | 3R3 | 3R9 |

Items marked with a \*, but not mentioned in the diversity table have no diversity in this product.

Schematic notes

| Diversity tabel A5 |             |               |         |              |                    |
|--------------------|-------------|---------------|---------|--------------|--------------------|
|                    |             | 14" Real flat | 19" DBX | 13"/19" Mono | 19" Stereo Non-DBX |
| Item               | Description |               |         |              |                    |
| 2202               | 100N 25V    | X             | X       | X            | X                  |
| 2220               | 470N 50V    |               | X       |              |                    |
| 2221               | 22N 50V     | X             | X       |              |                    |
| 2226               | 100P 50V    |               |         | X            | X                  |
| 2227               | 4N7 50V     |               |         | X            | X                  |
| 2228               | 820P 50V    |               |         | X            | X                  |
| 2229               | 10U 50V     |               |         | X            | X                  |
| 3220               | 100R        |               | X       |              |                    |
| 3221               | 560R        |               | X       |              |                    |
| 3222               | 100R        |               | X       |              |                    |
| 3232               | 2K2         |               |         | X            | X                  |
| 4209               | Jumper      | X             | X       |              |                    |
| 4212               | Jumper      |               |         | X            |                    |
| 4214               | Jumper      |               |         |              | X                  |
| 7205               | BC857B      |               | X       |              |                    |
| 9618               | Wire        | X             | X       |              |                    |

Items marked with a \*, but not mentioned in the diversity table have no diversity in this product.

Schematic notes

| Diversity table A6 |             |          |            |                       |               |
|--------------------|-------------|----------|------------|-----------------------|---------------|
| Item               | Description | Non-DBX  |            | DBX                   |               |
|                    |             | 25" Mono | 25" Stereo | 25" + 27" + 32" + 36" | 20" Real flat |
| 2246               | 4U7 50V     | X        |            |                       |               |
| 2254               | 100P 50V    |          |            |                       | X             |
| 2254               | Jumper      | X        | X          | X                     |               |

Items marked with a \*, but not mentioned in the diversity table have no diversity in this product.

Schematic notes

| Diversity tabel A7 |             |                    |             |              |
|--------------------|-------------|--------------------|-------------|--------------|
| Item               | Description | 19" Stereo Non-DBX | 14"/19" DBX | 13"/19" Mono |
| 3601               | 8k2         |                    | X           |              |
| 3609               | 1k          |                    | X           |              |
| 3610               | 8k2         |                    | X           |              |
| 3614               | 4k7         |                    |             | X            |
| 3615               | 10k         |                    |             | X            |
| 3617               | 4k7         |                    |             | X            |
| 3619               | 8k2         |                    |             | X            |
| 3635               | 100R        |                    | X           |              |
| 3635               | 100R        |                    |             |              |
| 9692               | Wire        |                    |             | X            |

Items marked with a \*, but not mentioned in the diversity table have no diversity in this product.

## Schematic notes

| Diversity tabel A8 |             |                                    |                           |              |
|--------------------|-------------|------------------------------------|---------------------------|--------------|
| Item               | Description | 14"/19" DBX, 19" Non-DBX Front I/O | 19" Non-DBX, No Front I/O | 13"/19" Mono |
| 0246               | Con 3P M    |                                    |                           | X            |
| 0246               | Con 5P M    | X                                  | X                         |              |
| 2906               | 470N 16V    | X                                  | X                         |              |
| 2907               | 1N 50V      | X                                  | X                         |              |
| 2941               | 1U 50V      |                                    |                           | X            |
| 2942               | 33N 50V     |                                    |                           | X            |
| 2943               | 100N 16V    |                                    |                           | X            |
| 2944               | 47N 50V     |                                    |                           | X            |
| 2945               | 10N 50V     |                                    |                           | X            |
| 2946               | 1U 16V      |                                    |                           | X            |
| 3905               | 15K         | X                                  | X                         |              |
| 3906               | 10K         | X                                  | X                         |              |
| 3941               | 100R        |                                    |                           | X            |
| 3942               | 3k9         |                                    |                           | X            |
| 3943               | 2k7         |                                    |                           | X            |
| 3944               | 2k7         |                                    |                           | X            |
| 3945               | 1k          |                                    |                           | X            |
| 3946               | 18K         |                                    |                           | X            |
| 3947               | 330R        |                                    |                           | X            |
| 3948               | 47K         |                                    |                           | X            |
| 3949               | 15K         |                                    |                           | X            |
| 3950               | 560R        |                                    |                           | X            |
| 3951               | 390R        |                                    |                           | X            |
| 4903               | Jumper      | X                                  | X                         |              |
| 7901               | AN7522N     | X                                  | X                         |              |
| 7902               | AN7523N     |                                    |                           | X            |
| 7941               | BC847B      |                                    |                           | X            |
| 7942               | BC847B      |                                    |                           | X            |
| 7943               | BC847B      |                                    |                           | X            |
| 9901               | Wire        |                                    | X                         |              |
| 9902               | Wire        |                                    | X                         |              |
| 9913               | Wire        | X                                  | X                         |              |
| 9914               | Wire        | X                                  | X                         |              |

Items marked with a \*, but not mentioned in the diversity table have no diversity in this product.

## Schematic notes

| Diversity label A9 |              |           |         |                               |
|--------------------|--------------|-----------|---------|-------------------------------|
| Item               | Description  | Real flat | 19" DBX | 19" Stereo Non-DBX, Front I/O |
| 1831               | XTL 18MHZ432 | X         | X       |                               |
| 2831               | 1P 50V       | X         | X       |                               |
| 2832               | 1P 50V       | X         | X       |                               |
| 2833               | 47P 50V      | X         | X       |                               |
| 2834               | 470P 50V     | X         | X       |                               |
| 2835               | 220P 50V     | X         | X       |                               |
| 2836               | 1N5 50V      | X         | X       |                               |
| 2837               | 4U7 50V      | X         | X       |                               |
| 2838               | 47P 50V      | X         | X       |                               |
| 2839               | 47P 50V      | X         | X       |                               |
| 2840               | 100N 25V     | X         | X       |                               |
| 2841               | 10U 50V      | X         | X       |                               |
| 2842               | 100N 25V     | X         | X       |                               |
| 2843               | 10U 50V      | X         | X       |                               |
| 2844               | 10U 50V      | X         | X       |                               |
| 2845               | 100N 25V     | X         | X       |                               |
| 2846               | 100U 25V     | X         | X       |                               |
| 2849               | 1N 50V       | X         | X       |                               |
| 2850               | 1N 50V       | X         | X       |                               |
| 2851               | 4U7 10V      | X         | X       |                               |
| 2852               | 1N 50V       | X         | X       |                               |
| 2853               | 4U7 10V      | X         | X       |                               |
| 2854               | 1N 50V       | X         | X       |                               |
| 2855               | 33P 50V      | X         | X       |                               |
| 2856               | 47P 50V      | X         | X       |                               |
| 2857               | 150P 50V     | X         | X       |                               |
| 2858               | 180P 50V     | X         | X       |                               |
| 2894               | 220P 50V     | X         | X       |                               |
| 2895               | 560P 50V     | X         | X       |                               |
| 2897               | 390P 50V     | X         | X       |                               |
| 2898               | 10N 50V      | X         | X       |                               |
| 3831               | 47K          | X         | X       |                               |
| 3832               | 100R         | X         | X       |                               |
| 3833               | 100R         | X         | X       |                               |
| 3836               | 1K           | X         |         |                               |
| 3836               | 1K           |           | X       |                               |
| 3837               | 100R         | X         |         |                               |
| 3837               | 100R         |           | X       |                               |
| 3838               | 1K           | X         | X       |                               |
| 3839               | 100R         | X         | X       |                               |
| 3843               | 2K2          | X         | X       |                               |
| 4831               | Jumper       | X         | X       |                               |
| 4833               | Jumper       | X         | X       |                               |
| 4835               | Jumper       | X         | X       |                               |
| 5831               | 6U8          | X         | X       |                               |
| 5832               | 6U8          | X         | X       |                               |
| 5833               | 6U8          | X         | X       |                               |
| 5833               | Wire         |           |         | X                             |
| 5835               | 12U          | X         | X       |                               |
| 6831               | 1N4148       | X         | X       |                               |
| 7831               | MSP3415G     | X         | X       |                               |

Items marked with a \*, but not mentioned in the diversity table have no diversity in this product.

Schematic notes

| Diversity table I A 10 |             |               |         |            |              |
|------------------------|-------------|---------------|---------|------------|--------------|
|                        |             | 14" Real flat | 19" DBX | 19" Stereo | 13"/19" Mono |
| Item                   | Description |               |         |            |              |
| 2801                   | 22U         | X             |         |            |              |
| 2801                   | 22U         |               | X       |            |              |
| 2802                   | 220N 25V    | X             |         |            |              |
| 2802                   | 220N 25V    |               | X       |            |              |
| 2803                   | 2U2 10V     | X             | X       |            |              |
| 2804                   | 4U7 10V     | X             | X       |            |              |
| 2805                   | 4U7 10V     | X             | X       |            |              |
| 3801                   | 220R        | X             | X       |            |              |
| 3802                   | 1K          | X             | X       |            |              |
| 3803                   | 100K        | X             | X       |            |              |
| 3804                   | 82K         | X             | X       |            |              |
| 3805                   | 1K          | X             | X       |            |              |
| 3806                   | 100K        | X             | X       |            |              |
| 3807                   | 82K         | X             | X       |            |              |
| 3808                   | 1K          | X             | X       |            |              |
| 4802                   | Jumper      | X             | X       |            |              |
| 4804                   | Jumper      | X             | X       |            |              |
| 4807                   | Jumper      |               |         |            | X            |
| 7801                   | HEF4052BT   | X             | X       |            |              |
| 7802                   | HEF4053BT   | X             | X       |            |              |
| 7803                   | BC847B      | X             | X       |            |              |
| 7804                   | BC847B      | X             | X       |            |              |

| EU         | Output  |             |             | HEF Logic        |          |
|------------|---------|-------------|-------------|------------------|----------|
|            | Scart1  | Scart2      | Monitor     | SEL-MAIN-FRNT-RR | SC2_CTRL |
| Front In   | RF Mode | Front Mode  | Front Mode  | 0                | 0        |
| Scart 1 in | RF Mode | Scart1 Mode | Scart1 Mode | 0                | 1        |
| Scart 2 in | RF Mode | RF Mode     | Scart2 Mode | 1                | 0        |
| R.F In     | RF Mode | RF Mode     | RF Mode     | 1                | 1        |

Items marked with a \*, but not mentioned in the diversity table have no diversity in this product.

Schematic notes

| Diversity tabel A11 |              |               |              |         |                        |
|---------------------|--------------|---------------|--------------|---------|------------------------|
| Item                | Description  | 14" Real flat | 13"/19" Mono | 19" DBX | 19" Non-DBX, Front I/O |
| 1861                | Res 514.5kHz |               |              |         | X X                    |
| 2861                | 220N 25V     |               |              |         | X X                    |
| 2862                | 2U2 10V      |               |              |         | X X                    |
| 2864                | 2U2 50V      |               |              |         | X X                    |
| 2865                | 2U2 50V      |               |              |         | X X                    |
| 2866                | 2U2 10V      |               |              |         | X X                    |
| 2867                | 3N3 10V      |               |              |         | X X                    |
| 2868                | 150P 50V     |               |              |         | X X                    |
| 2869                | 47N          |               |              |         | X X                    |
| 2870                | 47N          |               |              |         | X X                    |
| 2871                | 150P 50V     |               |              |         | X X                    |
| 2872                | 3N3          |               |              |         | X X                    |
| 2873                | 2U2 10V      |               |              |         | X X                    |
| 2874                | 100U 25V     |               |              |         | X X                    |
| 2875                | 100U 25V     |               |              |         | X X                    |
| 2876                | 4U7 50V      |               |              |         | X X                    |
| 2877                | 10U 50V      |               |              |         | X X                    |
| 2878                | 1U 50V       |               |              |         | X X                    |
| 2879                | 4N7 50V      |               |              |         | X X                    |
| 2880                | 22N 50V      |               |              |         | X X                    |
| 2883                | 470U 16V     |               |              |         | X X                    |
| 2884                | 2U2 50V      |               |              |         | X X                    |
| 2885                | 220N 50V     |               |              |         | X X                    |
| 2886                | 220N 25V     |               |              |         | X X                    |
| 2891                | 2U2 10V      |               |              |         | X                      |
| 3861                | 100K         |               |              |         | X X                    |
| 3862                | 15K          |               |              |         | X X                    |
| 3863                | 1k2          |               |              |         | X X                    |
| 3864                | 100R         |               |              |         | X X                    |
| 3865                | 100R         |               |              |         | X X                    |
| 3866                | 100R         |               |              |         | X X                    |
| 3867                | 3k3          |               |              |         | X X                    |
| 5861                | 10U          |               |              |         | X X                    |
| 7861                | TDA9853H/V1  |               |              |         | X X                    |
| 9890                | Wire         |               |              |         | X X                    |
| 9894                | Wire         |               |              |         | X                      |

Items marked with a \*, but not mentioned in the diversity table have no diversity in this product.

Schematic notes

| Diversity tabel A12 |                |               |                        |         |                           |
|---------------------|----------------|---------------|------------------------|---------|---------------------------|
| Item                | Description    | 14" Real flat | 19" Non-DBX, Front I/O | 19" DBX | 19" Non-DBX, No front I/O |
| 0218                | Soc cinch 2P F |               |                        |         | X                         |
| 0218                | Soc cinch 3P F |               | X                      | X       |                           |
| 0218                | Soc cinch 3P F | X             |                        |         |                           |
| 0232                | Soc phone 1P F | X             | X                      | X       | X                         |
| 2181                | 22P 50V        | X             | X                      | X       | X                         |
| 2182                | 330P 50V       | X             | X                      | X       | X                         |
| 2183                | 330P 50V       | X             | X                      | X       |                           |
| 2981                | 100U 25V       | X             | X                      | X       | X                         |
| 2982                | 470P 50V       | X             | X                      | X       | X                         |
| 2983                | 100U 25V       | X             | X                      | X       | X                         |
| 2984                | 470P 50V       | X             | X                      | X       | X                         |
| 3181                | 75R            | X             | X                      | X       | X                         |
| 3182                | 100R           | X             | X                      | X       | X                         |
| 3183                | 150R           | X             | X                      | X       | X                         |
| 3184                | 47K            | X             | X                      | X       | X                         |
| 3185                | 150R           | X             | X                      | X       |                           |
| 3186                | 47K            | X             | X                      | X       |                           |
| 3981                | 120R           | X             | X                      | X       | X                         |
| 3982                | 120R           | X             | X                      | X       | X                         |
| 9181                | Wire           | X             | X                      | X       | X                         |
| 9982                | Wire           |               |                        |         | X                         |

| ITEM | PAINTER LEADER | PAINTER PLUS |
|------|----------------|--------------|
| 3681 | 470 ohm        | 270 ohm      |
| 3682 | 3.9k ohm       | 3.3k ohm     |
| 3683 | 270 ohm        | 390 ohm      |
| 3684 | 470 ohm        | 560 ohm      |
| 3685 | 560 ohm        | 560 ohm      |
| 3686 | 1.8k ohm       | 1.5k ohm     |

Items marked with a \*, but not mentioned in the diversity table have no diversity in this product.



## Schematic notes

| Diversity tabel A13 |             |               |         |
|---------------------|-------------|---------------|---------|
| Item                | Description | 14" Real flat | 19" DBX |
| 0223                | Cinch 6P F  |               | X       |
| 0223                | Cinch 3P F  | X             |         |
| 0225                | M-DIN 4P F  | X             | X       |
| 2101                | 470N 16V    |               | X       |
| 2102                | 22P 50V     |               | X       |
| 2103                | 330P 50V    | X             | X       |
| 2104                | 330P 50V    |               | X       |
| 2105                | 10U 50V     |               | X       |
| 2106                | 10U 50V     |               | X       |
| 2122                | 330P 50V    | X             | X       |
| 2123                | 2U2 10V     | X             | X       |
| 2124                | 330P 50V    | X             | X       |
| 2125                | 2U2 10V     | X             | X       |
| 2135                | 22P 50V     | X             | X       |
| 2136                | 22P 50V     | X             | X       |
| 2141                | 330P 50V    | X             | X       |
| 3101                | 68R         |               | X       |
| 3102                | 1K          |               | X       |
| 3103                | 150R        |               | X       |
| 3104                | 220K        |               | X       |
| 3105                | 150R        |               | X       |
| 3106                | 220K        |               | X       |
| 3123                | 150R        | X             | X       |
| 3124                | 47K         | X             | X       |
| 3125                | 150R        | X             | X       |
| 3126                | 47K         | X             | X       |
| 3135                | 75R         | X             | X       |
| 3136                | 100R        | X             | X       |
| 3137                | 75R         | X             | X       |
| 3138                | 100R        | X             | X       |
| 3141                | 1K          | X             | X       |
| 4101                | Jumper      |               | X       |
| 4102                | Jumper      |               | X       |
| 4104                | Jumper      |               | X       |
| 4121                | Jumper      | X             | X       |
| 7101                | BC847B      |               | X       |
| 9121                | Wire        | X             | X       |
| 9122                | Wire        | X             | X       |

Items marked with a \*, but not mentioned in the diversity table have no diversity in this product.

Schematic notes

| NAFTA | 13V         | 19V        |
|-------|-------------|------------|
| 3349  | 2R2         | 1R0        |
| 3350  | 2R2         | 1R0        |
| 5341  | spt0508 12u | fxdind 3u3 |

| AP / CH | 14"         | 17"         | 20"         | 21"        | 21" CHINA   |
|---------|-------------|-------------|-------------|------------|-------------|
| 3349    | 2R2         | 3K9         | 1R2         | 1R2        | 1R2         |
| 3350    | 2R2         | 1R0         | 1R2         | 1R2        | 1R2         |
| 5341    | spt0508 27u | spt0508 12u | spt0508 2u2 | fxdind 1u5 | spt0508 27u |

| LATAM | 14"         | 20"        | 21"         |
|-------|-------------|------------|-------------|
| 3349  | 1R8         | 1R2        | 1R8         |
| 3350  | 1R8         | 1R2        | 1R8         |
| 5341  | spt0508 12u | fxdind 22u | spt0508 56u |

| Europe | 14"         | 17"         | 20"         | 21"         |
|--------|-------------|-------------|-------------|-------------|
| 3349   | 1R5         | 2R7         | 1R0         | 1R5         |
| 3350   | 1R5         | 3R3         | 1R0         | 1R5         |
| 5341   | spt0508 15u | spt0508 12u | spt0508 10u | spt0508 22u |

Items marked with a \*, but not mentioned in the diversity table have no diversity in this product.

**Schematic notes**

| # For 25" and above |                             |
|---------------------|-----------------------------|
| 0251                | For Chassis with Rear Scart |
| 0252                | For Chassis with Rear Scart |
| 0261                | For Chassis with Rear Cinch |
| 6161                | BZX79-C6V8                  |

| * For 21" and below |                                  |
|---------------------|----------------------------------|
| 3150                | 47K                              |
| 3151                | 1K                               |
| 3152                | 47K                              |
| 3153                | 1K                               |
| 9152                | For mono set w/out front cinch   |
| 9153                | For stereo set w/out front cinch |

Items marked with a \*, but not mentioned in the diversity table have no diversity in this product.

# Service Modes, Error Codes And Fault Finding

## Test Points

The chassis is equipped with test points printed on the circuit board assemblies. These test points refer to the functional blocks:

| Test point  | Circuit                | Diagram      |
|-------------|------------------------|--------------|
| A1-A2-A3-.. | Audio processing       | A8, A9 / A11 |
| C1-C2-C3-.. | Control                | A7           |
| F1-F2-F3-.. | Frame drive and output | A3           |
| I1-I2-I3-.. | Tuner & IF             | A4           |
| L1-L2-L3-.. | Line drive and output  | A2           |
| P1-P2-P3-.. | Power supply           | A1           |
| S1-S2-S3-.. | Synchronization        | A6           |
| V1-V2-V3-.. | Video processing       | A5, B1       |

The numbering is in a logical sequence for diagnostics.  
Always start diagnosing within a functional block in the sequence of the relevant test points for that block.  
Perform measurements under the following conditions:

- Service Default Mode.
- Video: color bar signal.
- Audio: 3 kHz left, 1 kHz right.

## Service Modes

Service Default Mode (SDM) and Service Alignment Mode (SAM) offer several features for the service technician, while the Customer Service Mode (CSM) is used for communication between dealer and customer.

**Note:** Some L8 and M8 chassis sets use a software version that does not contain the Service Modes (see table). In this case, use the special Factory Mode Remote Control. This can be ordered by service code 4835 310 57511. Complete instructions are included. This remote control will place the TV in the Factory Mode and allow access to all adjustments that a normal Service Mode contains (including setting Option Bytes). Error codes will not be available.

There is also the option of using ComPair, a hardware interface between a computer (see requirements) and the TV chassis. It offers the ability of structured trouble shooting, error code reading and software version readout for all L8 and M8 chassis. Requirements: To run ComPair on a computer (laptop or desktop) requires, as a minimum, a 486 processor, Windows 3.1 and a CD-ROM drive. A Pentium Processor and Windows 95/98 are also acceptable (see also ComPair).

| SW. cluster   | Software name | UOC type            | Diversity           | Remark            |
|---|---------------|---------------------|---------------------|-------------------|
| 1US0  | L01UN0-x.y    | TDA9587             | Stereo, non-DBX, CC | All Service Modes |
| 1US1  | L01US1-x.y    | TDA9587/<br>TDA9588 | Stereo,-DBX, CC     | Only Com-Pair (*) |
| 2US0  | L01UM0-x.y    | TDA9587             | Mono, CC            | All Service Modes |
| 2US1  | L01UM1-x.y    | TDA9587             | Mono, CC            | Without CSM (*)   |
| 3US0  | L01US0-x.y    | TDA9588             | Stereo,-DBX, CC     | Only Con-Pair (*) |
| 3US1  | L01UN1-x.y    | TDA9587             | Stereo, non-DBX, CC | Without CSM (*)   |
| Abbreviations in "Software Name": U=USA, N=Stereo non-DBX, S=Stereo DBX, M=Mono |               |                     |                     |                   |

## Service Default Mode (SDM)

### **Purpose**

- To create a predefined setting to get the same measurement results as given in this manual.
- To override SW protections.
- To start the blinking LED procedure.

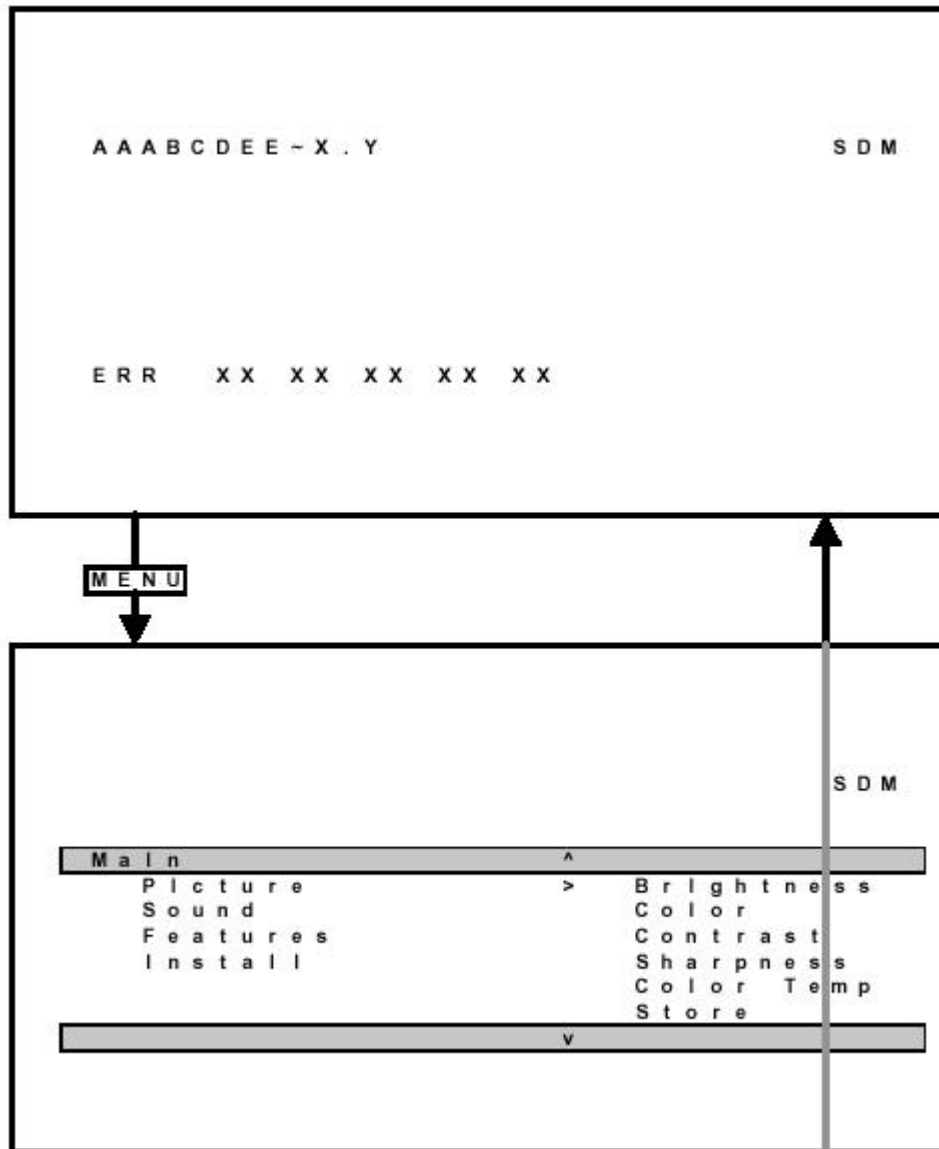
### **Specifications**

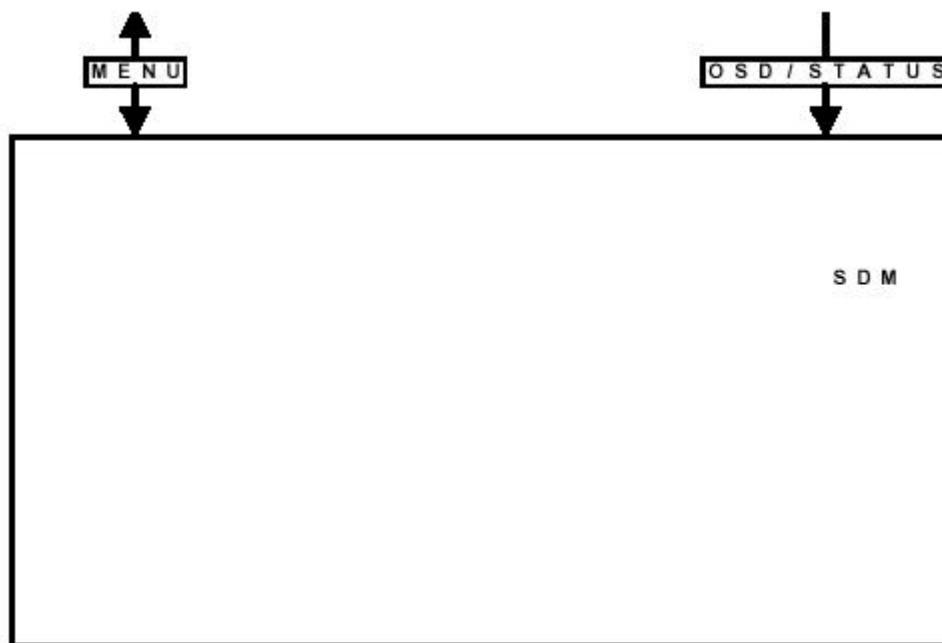
- Tuning frequency: 61.25 MHz (channel 3).
- Color system: NTSC.
- All picture settings at 50 % (brightness, color contrast, hue).
- Bass, treble and balance at 50 %; volume at 25 %.
- All service-unfriendly modes (if present) are disabled, like:
  - (sleep) timer,
  - child/parental lock,
  - blue mute,
  - hotel/hospitality mode
  - auto switch-off (when no 'IDENT' video signal is received for 15 minutes),
  - skip / blank of non-favorite presets / channels,
  - auto store of personal presets,
  - auto user menu time-out.

### ***How to enter SDM***

- Use a standard customer RC-transmitter and key in the code 062596 directly followed by the MENU button, or
- Short wires 9631 and 9641 on the mono carrier and switch the set ON apply AC power. Then press the power button (remove short after start-up).  
Caution: Entering SDM by shorten wires 9631 and 9641 will override the +8V-protection. Do this only for a short period. When doing this, the service-technician must know exactly what he is doing, as it could lead to damaging the set.
- Or via ComPair

After entering SDM, the following screen is visible, with SDM at the upper right side for recognition.





### ***How to navigate***

- When you press the MENU button on the remote control, the set will switch between the SDM and the normal user menu (with the SDM mode still active in the background). Return to the SDM screen with the OSD / STATUS button.
- When you press the OSD / STATUS button on the remote control, the menu will show or hide the error buffer. This feature is available to prevent interference during waveform measurements.
- On the TV press and hold the 'VOLUME down' and press the 'CHANNEL down' for a few from SDM to SAM and reverse.

### ***How to exit***

Switch the set to STANDBY by pressing the power button on the remote control transmitter (if you switch the set OFF by removing the AC power, the set will return in SDM when AC power is re-applied). The error buffer is cleared.

1. LLLL This is the operation hours counter. It counts the normal operation hours, not the standby hours.



2. AAABCD-X.Y This is the software identification of the main micro controller
  - A = the project name (L01).
  - B = the region: E = Europe, A = Asia Pacific, U = NAFTA, L = LATAM.
  - C = the software diversity: N = stereo non-DBX, S = stereo DBX, M = mono, D = DVD.
  - D = the language cluster number.
  - E = UOC diversity.
  - X = the main software version number.
  - Y = the sub software version number.
3. SAM Indication of the actual mode.
4. Errors buffer Five errors possible.
5. Option bytes Seven codes possible.
6. Clear Erase the contents of the error buffer. Select the CLEAR menu item and press the CURSOR RIGHT key. The content of the error buffer is cleared.
7. Options To set the Option Bytes. See chapter 8.3.1 for a detailed description.
8. AKB Disable (0) or enable (1) the 'black current loop' (AKB = Auto Kine Bias).
9. Tuner To align the Tuner. See chapter 8.3.2 for a detailed description.
10. White Tone To align the White Tone. See **White tone** for a detailed description.
11. Geometry To align the set geometry. See **Geometry** for a detailed description.
12. Audio No audio alignment is used for NTSC.

### ***How to navigate***

- In SAM, select menu items with the CURSOR UP/DOWN key on the remote control transmitter. The selected item will be highlighted. When not all menu items fit on the screen, move the CURSOR UP/DOWN key to display the next / previous menu items.
- With the CURSOR LEFT/RIGHT keys, it is possible to:
  - (De)activate the selected menu item.
  - Change the value of the selected menu item.
  - Activate the selected submenu.
- When you press the MENU button twice, the set will switch to the normal user menus (with the SAM mode still active in the background). To return to the SAM menu press the OSD / STATUS button [ i+ ].
- When you press the MENU key in a submenu, you will return to the previous menu.

### ***How to exit***

Switch the set to STANDBY by pressing the power button on the remote control transmitter (if you switch the set OFF by removing the AC power, the set will return in SAM when AC power is re-applied). The error buffer is not cleared.

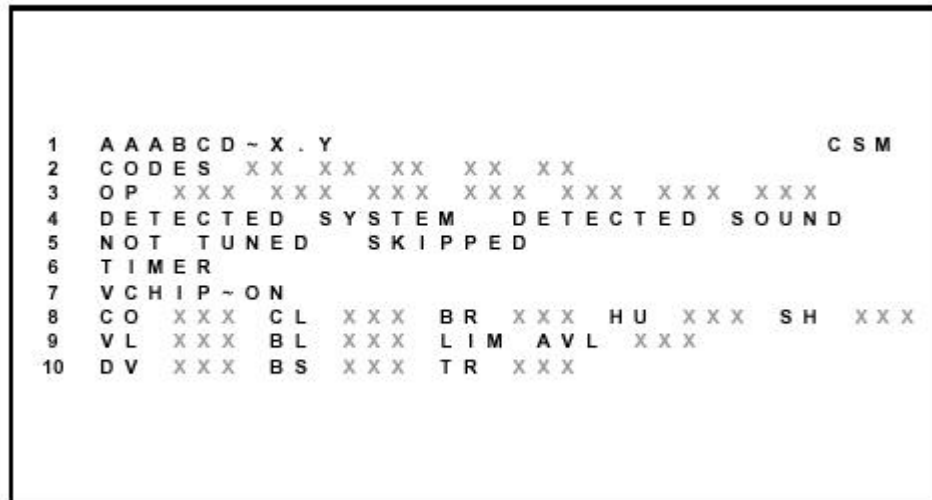
# Customer Service Mode (CSM)

## Purpose

The Customer Service Mode is (de-)activated by the customer upon request of the service technician during a telephone conversation, in order to identify the status of the set. This CSM is a read only mode, therefore modifications in this mode are not possible.

## How to enter

The CSM will be turned on after pressing the MUTE key on the remote control transmitter and any of the control buttons on the TV for at least 4 seconds simultaneously. This activation only works if there is no menu on the screen. After switching ON the Customer Service Mode, the following screen will appear:



1. Software identification of the main micro controller (see **Service Alignment Mode** for an explanation).
2. Error code buffer (see for more details). Displays the last seven errors of the error code buffer.
3. In this line, the Option Bytes (OB) are visible. Each Option Byte is displayed as a decimal number between 0 and 255. The set may not work correctly when an incorrect option code is set. See **Options** for more information on the option settings.
4. Indicates which color and sound system is installed for the selected pre-set.
5. Indicates if the set is not receiving an 'IDENT' signal on the selected source. It will display 'Not Tuned'.
6. Indicates if the sleep timer is enabled.
7. Indicates if the V-chip feature is enabled.
8. Value indicates parameter levels at CSM entry.  
CO = CONTRAST, CL = COLOR, BR = BRIGHTNESS,  
HU = HUE, SH = SHARPNESS
9. Value indicates parameter levels at CSM entry.  
VL = VOLUME LEVEL, BL = BALANCE LEVEL, AVL LIM

= AUTO VOLUME LEVEL LIMITER

10. Value indicates parameter levels at CSM entry.

DV = DELTA VOLUME, BS = BASS LEVEL, TR = TREBLE LEVEL

### ***How to exit***

You can turn the Customer Service Mode off:

- After you press 'any' key of the remote control transmitter with exception of the CHANNEL and VOLUME keys.
- After you switch-off the TV set with the AC power switch.

## **Problems And Solving Tips (Related To CSM)**

### ***Picture Problems***

#### *No colors / noise in picture*

Check CSM line 4. Wrong color system installed. To change the setting:

1. Select the MANUAL STORE sub menu.
2. Select and change the SYSTEM setting until picture and sound are correct.
3. Select the STORE menu item.

#### *Colors not correct / unstable picture*

Check CSM line 4. Wrong color system installed. To change the setting:

1. Press the MENU button on the remote control.
2. Select the INSTALL sub menu.
3. Select the MANUAL STORE sub menu.
4. Select and change the SYSTEM setting until picture and sound are correct.
5. Select the STORE menu item.

#### *TV switches off or changes channel without any user action*

The TV set switches off after TV SWITCHING OFF was displayed.

Auto standby switched the set off because:

- There was no 'ident' signal for more than 15 minutes or
- There was no remote control signal received or local key pressed for > 2 hours.

See **Alignments** for a description of the options to enable / disable auto standby

#### *Picture too dark or too bright*

Increase / decrease the BRIGHTNESS and / or the CONTRAST value when:

- The picture improves after you have pressed the 'Smart Picture' button on the remote control.
- The picture improves after you have switched on the Customer Service Mode

The new 'Personal' preference value is automatically stored.

#### *White line around picture elements and text*

Decrease the SHARPNESS value when:

- The picture improves after you have pressed the 'Smart Picture' button on the remote control.
- The picture improves after you have switched on the Customer Service Mode

The new 'Personal' preference value is automatically stored.

#### *Snowy picture*

Check CSM line 5. If this line indicates 'Not Tuned', check the following:

- No or bad antenna signal. Connect a proper antenna signal.
- Antenna not connected. Connect the antenna.
- No channel / preset is stored at this program number. Go to the INSTALL menu and store a proper channel at this program number.
- The tuner is faulty (in this case the CODES line will contain error number 10). Check the tuner and replace / repair if necessary.

#### *Snowy picture and/or unstable picture*

- A scrambled or decoded signal is received.

#### *Black and white picture*

Increase the COLOR value when:

- The picture improves after you have pressed the 'Smart Picture' button on the remote control.
- The picture improves after you have switched on the Customer Service Mode

The new 'Personal' preference value is automatically stored.

#### *Menu text not sharp enough*

Decrease the CONTRAST value when:

- The picture improves after you have pressed the 'Smart Picture' button on the remote control.
- The picture improves after you have switched on the Customer Service Mode

The new 'Personal' preference value is automatically stored.

### **Sound Problems**

#### **No sound or sound too loud (after channel change / switching on)**

Increase / decrease the VOLUME level when the volume is OK after you switched on the CSM. The new 'Personal' preference value is automatically stored.

# ComPair

## Introduction

ComPair (Computer Aided Repair) is a service tool for Philips Consumer Electronics products. ComPair is a further development on the European DST (service remote control), which allows faster and more accurate diagnostics. ComPair has three big advantages:

- ComPair helps you to quickly get an understanding on how to repair the chassis in a short time by guiding you systematically through the repair procedures.
- ComPair allows very detailed diagnostics (on I<sup>2</sup>C level) and is therefore capable of accurately indicating problem areas. You do not have to know anything about I<sup>2</sup>C commands yourself because ComPair takes care of this.
- ComPair speeds up the repair time since it can automatically communicate with the chassis (when the microprocessor is working) and all repair information is directly available. When ComPair is installed together with the SearchMan electronic manual of the defective chassis, schematics and PWBs are only a mouse click away.

## Specifications

ComPair consists of a Windows based faultfinding program and an interface box between PC and the (defective) product. The ComPair interface box is connected to the PC via a serial or RS232 cable.

In case of the L8/M8 chassis, the ComPair interface box and the TV communicate via a bi-directional service cable via the service connector (located on the Main panel, see [Hardware alignments](#) suffix D).

The ComPair faultfinding program is able to determine the problem of the defective television. ComPair can gather diagnostic information in two ways:

### 1. Automatic (by communication with the television)

ComPair can automatically read out the contents of the entire error buffer. Diagnosis is done on I<sup>2</sup>C level. ComPair can access the I<sup>2</sup>C bus of the television. ComPair can send and receive I<sup>2</sup>C commands to the micro controller of the television. In this way, it is possible for ComPair to communicate (read and write) to devices on the I<sup>2</sup>C busses of the TV-set.

### 2. Manually (by asking questions to you)

Automatic diagnosis is only possible if the micro controller of the television is working correctly and only to a certain extend. When this is not the case, ComPair will guide you through the faultfinding tree by asking you questions (e.g. Does the screen gives a picture? Click on the correct answer: YES / NO) and showing you examples (e.g. Measure test-point 17 and click on the correct oscillogram you see on the oscilloscope). You can answer by clicking on a link (e.g. text or a waveform picture) that will bring you to the next step in the faultfinding process.

By a combination of automatic diagnostics and an interactive question / answer procedure, ComPair will enable you to find most problems in a fast and effective way.

Beside fault finding, ComPair provides some **additional features** like:

- Up- or downloading of presets.
- Managing of preset lists.
- Emulation of the (European) Dealer Service Tool (DST).

- If both ComPair and SearchMan (Electronic Service Manual) are installed, all the schematics and the PWBs of the set are available by clicking on the appropriate hyperlink.

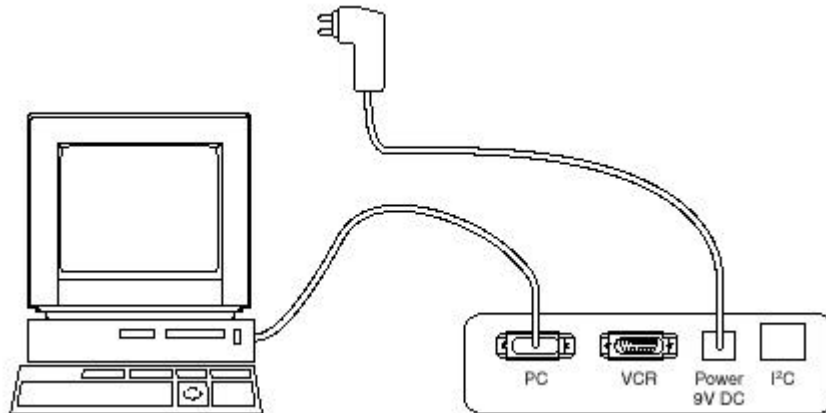
Example: *Measure the DC-voltage on capacitor C2568 (Schematic/Panel) at the Monocarrier.*

Click on the 'Panel' hyperlink to automatically show the PWB with a highlighted capacitor C2568.

Click on the 'Schematic' hyperlink to automatically show the position of the highlighted capacitor.

## How To Connect

1. First install the ComPair Browser software (see the Quick Reference Card for installation instructions).
2. Connect the RS232 interface cable between a free serial (COM) port of your PC and the PC connector (marked with 'PC') of the ComPair interface.
3. Connect the AC power adapter to the supply connector (marked with 'POWER 9V DC') on the compare interface.
4. Switch the ComPair interface OFF.
5. Switch the television set OFF, remove the AC power.
6. Connect the ComPair interface cable between the connector on the rear side of the ComPair interface (marked with 'I<sub>2</sub> C') and the ComPair connector on the mono carrier (see figure 8-1 suffix D).
7. Plug the AC power adapter in the AC power outlet and switch on the interface. The green and red LEDs light up together. The red LED extinguishes after approx. 1 second while the green LED remains lit.
8. Start the ComPair program and read the introduction chapter.



## How To Order

ComPair order codes:

- Starter kit ComPair + SearchMan software + compare interface (excluding transformer): 4822 727 21629
- ComPair interface (excluding transformer): 4822 727 21631
- Starter kit ComPair software (registration version): 4822 727 21634
- Starter kit SearchMan software: 4822 727 21635
- ComPair CD (update): 4822 727 21637
- SearchMan CD (update): 4822 727 21638
- ComPair interface cable: 3122 785 90004

## Error Codes

### *Introduction*

The error code buffer contains all errors detected since the last time the buffer was erased. The buffer is written from left to right. When an error occurs that is not yet in the error code buffer, it is written at the left side and all other errors shift one position to the right.

The error code buffer is cleared in the following cases:

- By activation of the CLEAR command in the SAM menu:
- When you exit SDM / SAM with the STANDBY command on the remote control (when leaving SDM / SAM, by disconnecting the set from AC power, the error buffer is not reset).
- When you transmit the command DIAGNOSE-99-OK with ComPair.
- If the content of the error buffer has not changed for 50 hours, it resets automatically.

Examples:

ERROR: 0 0 0 0 0: No errors detected.

ERROR: 6 0 0 0 0: Error code 6 is the most recent and only detected error.

ERROR: 9 6 0 0 0: Error code 6 was first detected and error code 9 is the most recent detected error.

You can also make the contents of the error buffer visible via the blinking LED procedure (see ***The Blinking LED Procedure***). This is especially useful when there is no picture.

## Error Codes

In case of non-intermittent faults, clear the error buffer before you begin the repair. These to ensure that old error codes are no longer present.

If possible, check the entire contents of the error buffer. In some situations an error code is only the result of another error code and not the actual cause (e.g., a fault in the protection detection circuitry can also lead to a protection).

| Err | Device               | Error description                           | Symptom   | Check   | Diagram       |
|-----|----------------------|---|---|---|---------------|
| 0   | -                    | No Error                                    | -   | -   | -             |
| 1   | -                    | X-Ray / over-voltage protection             | Set will hiccup until it goes to protection mode  | 2407 & 7402 (L8), 2465 & 7460 (M8)                | A2            |
| 2   | -                    | High beam current                           |   | CRT panel, 3340                                   | B1, B2        |
|     | -                    | Horizontal Protection                       | Set will hiccup until it goes to protection mode-Fly back line after 5 s in protection mode | +200V, LOT 5445, 7460-7463, 6467, hor. Defl. Coil | A2            |
| 3   | TDA8359/<br>TDA9302  | Vertical Protection                         | Set will hiccup until it goes to protection mode-One hor. Line after 5 s in protection mode | ViotlAux +13V, +50V (M8) 7471, vert. Defk, Coil   | A2, A3        |
| 4   | MSP34X5/<br>TDA9853  | MSP I <sup>2</sup> C identification error   | Set turned on without sound output  | ViotlAux +5V, +8V, 7831, 3823/33, 7861, 3865/66   | A9 or A11     |
| 5   | TDA95xx              | POR / +8V protection                        | Set will hiccup until it goes to protection mode after 8 s                                  | 3V3, +8V, 7200, 7560, 7480                        | A5-A7, A1, A2 |
| 6   | I <sup>2</sup> C bus | General I <sup>2</sup> C bus error          | Set is in protection mode   | SDA/SCL, 1000, 7200, 7600/01, 3624/25             | A7            |
| 7   | AN7522/3             | Power down (over current) protection        | Set will hiccup until it goes to protection mode  | MainAux, 7901/02, 7561/62                         | A8, A1        |
| 8   | -                    | E/W protection (Large Screen)               | Geometry wrong or set in protection mode  | ViotAux+11V, 3400, 3405/06, 7400                  | A2            |
| 9   | M24C08               | NVM I <sup>2</sup> C identification error   | Set will turn on but is unable to store data  | 3V3, 7601/02, 3611, 3603/04                       | A7            |
| 10  | Tuner                | Tuner I <sup>2</sup> C identification error | Set will turn on but has no picture and sound   | ViotlAux +5V, 1100, 7482                          | A4, A2        |
| 11  | TDA6107/8            | Black current loop protection               | Fly back line after 5 s in protection mode  | +200V, 7330, RGB amps, CRT                        | B1, B2        |
| 12  | M65669               | PIP I <sup>2</sup> C identification error   | Picture in picture does not function  | +5V, +8V, 7803, 7890/91                           | P             |



# The Blinking LED Procedure

Via this procedure you can make the contents of the error buffer visible via the front LED. This is especially useful when there is no picture.

When the SDM is entered, the LED will blink the contents of the error-buffer.

Error-codes  $\geq 10$  are shown as follows:

- a long blink of 750 ms (which is an indication of the decimal digit),
- a pause of 1.5 s,
- n short blinks ( $n = 1 - 9$ ),
- when all the error-codes are displayed, the sequence finishes with a LED blink of 3 s,
- the sequence starts again.

Example of error buffer: 12 9 6 0 0

After entering SDM:

- 1 long blink of 750 ms followed by a pause of 1.5 s,
- 2 short blinks followed by a pause of 3 s,
- 9 short blinks followed by a pause of 3 s,
- 6 short blinks followed by a pause of 3 s,
- 1 long blink of 3 s to finish the sequence,
- the sequence starts again.

## Protections

If a fault situation is detected an error code will be generated and if necessary the set will be put in the protection mode.

Blinking of the red LED at a frequency of 3 Hz indicates the protection mode. In some error cases the microprocessor does not put the set in the protection mode. The error codes of the error buffer can be read via the service menu (SAM), the blinking LED procedure or via ComPair. The DST diagnose functionality will force the set into the Service-standby, which is similar to the usual standby mode, however the microprocessor has to remain in normal operation completely.

To get a quick diagnosis the chassis has three service modes implemented:

- The Customer Service Mode (CSM).
- The Service Default Mode (SDM). Start-up of the set in a predefined way.
- The Service Alignment Mode (SAM). Adjustment of the set via a menu and with the help of test patterns.

See for a detailed description ***Circuit description***

## Repair Tips

Below some failure symptoms are given, followed by a repair tip.

- **Set is dead and makes hiccuping sound**

'MainSupply' is available. Hiccupping stops when de-soldering L5561, meaning that problem is in the 'MainSupply' line. No output voltages at LOT, no horizontal deflection. Reason: line transistor 7460 is defective.

- **Set is dead, and makes no sound**

Check power supply IC 7520. Result: voltage at pins 1, 3, 4, 5 and 6 are about 180 V and pin 8 is 0 V. The reason why the voltage on these pins is so high is because the output driver (pin 6) has an open load. That is why MOSFET 7521 is not able to switch. Reason: feedback resistor 3523 is defective. Caution: be careful measuring on the gate of 7521; circuitry is very high ohmic and can easily be damaged!

- **Set is in hiccup mode and shuts down after 8 s.**

Blinking LED (set in SDM mode) indicates error 5. As it is unlikely that ?P 'POR' and '+8V protection' happen at the same time, measure the '+8V'. If this voltage is missing, check transistor 7480.

- **Set is non-stop in hiccup mode**

Set is in over current mode; check the secondary sensing (opto coupler 7515) and the 'MainSupply' voltage. Signal 'Stdbby\_con' must be logic low under normal operation conditions and goes to high (3.3 V) under standby and fault conditions.

- **Set turns on, but without picture and sound**

The screen shows snow, but OSD and other menus are okay. Blinking LED procedure indicates error 11, so problem is expected in the tuner (pos. 1000). Check presence of supply voltages. As 'Vlotaux+5V' at pin 5 and 7 are okay, 'VT\_supply' at pin 9 is missing.

Conclusion: resistor 3460 is defective.

- **Set turns on, but with a half screen at the bottom.**

**Sound is okay**

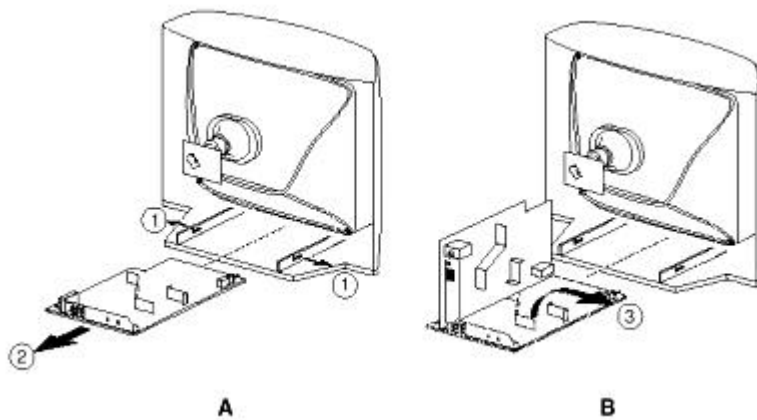
Blinking LED (set in SDM mode) indicates error 3. Check 'Vlotaux+11V' and '+50V'. If they are okay, problem is expected in the vertical amplifier IC 7471. Measure with a scope the waveform on pin 17 of the UOC. Measure also at pin 1 of IC 7471. If here the signal is missing, a defective resistor R3244 causes the problem.

## Rear Cover Removal

1. Remove all fixation screws of the rear cover.
2. Now pull the rear cover backward to remove it.

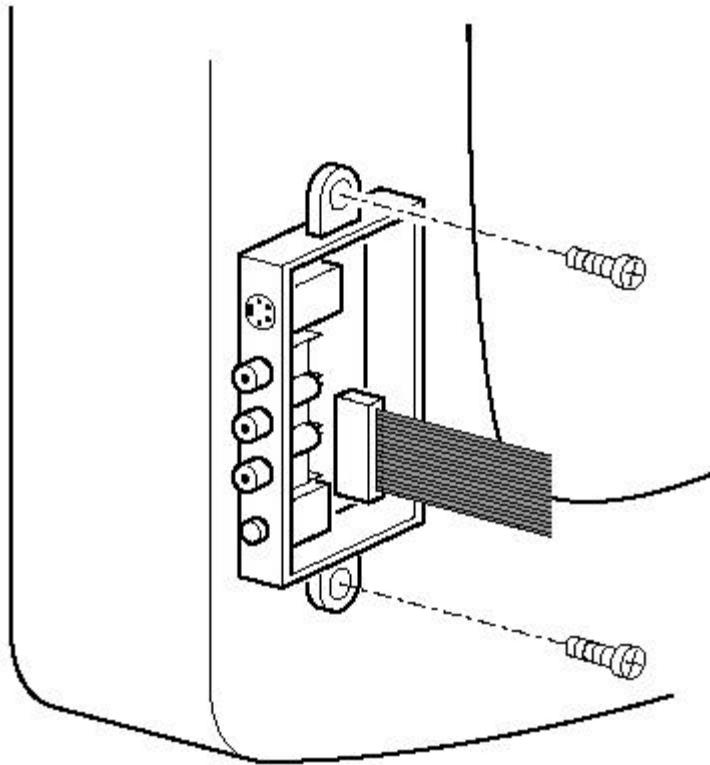
## Service Position Main Panel

1. Disconnect the strain relief of the AC power cord.
2. Remove the main panel, by pushing the two center clips outward [1]. At the same time pull the panel away from the CRT [2].
3. Disconnect the degaussing coil by removing the cable from (red) connector 0201.
4. Move the panel somewhat to the left and flip it 90 degrees [3], with the components towards the CRT.



## Side I/O Panel Removal

1. Remove the complete Side I/O assembly after unscrewing the 2 fixation screws.
2. Release the 2 fixation clamps and lift the board out of the bracket.



## Rear Cover Mounting

Before you mount the rear cover, perform the following checks:

1. Check whether the AC power cord is mounted correctly in its guiding brackets.
2. Replace the strain relief of the AC power cord into the cabinet.
3. Check whether all cables are replaced in their original position.

# Alignments

**Note:** The Service Default Mode (SDM) and Service Alignment Mode (SAM) are described in ***Service Modes Error Codes And Fault Finding***. Menu navigation is done with the 'CURSOR UP, DOWN, LEFT or RIGHT' keys of the remote control transmitter.

## General Alignment Conditions

Perform all electrical adjustments under the following conditions:

- AC voltage and frequency: 110 V ( $\pm 10\%$ ), 60 Hz ( $\pm 5\%$ ).
- Connect the set to the AC power via an isolation transformer.
- Allow the set to warm up for approximately 20 minutes.
- Measure the voltages and waveforms in relation to chassis ground (with the exception of the voltages on the primary side of the power supply). Never use the cooling fins / plates as ground.
- Test probe:  $R_i > 10\text{ M}\Omega$ ;  $C_i < 2.5\text{ pF}$ .
- Use an isolated trimmer / screwdriver to perform the alignments.

# Hardware Alignments

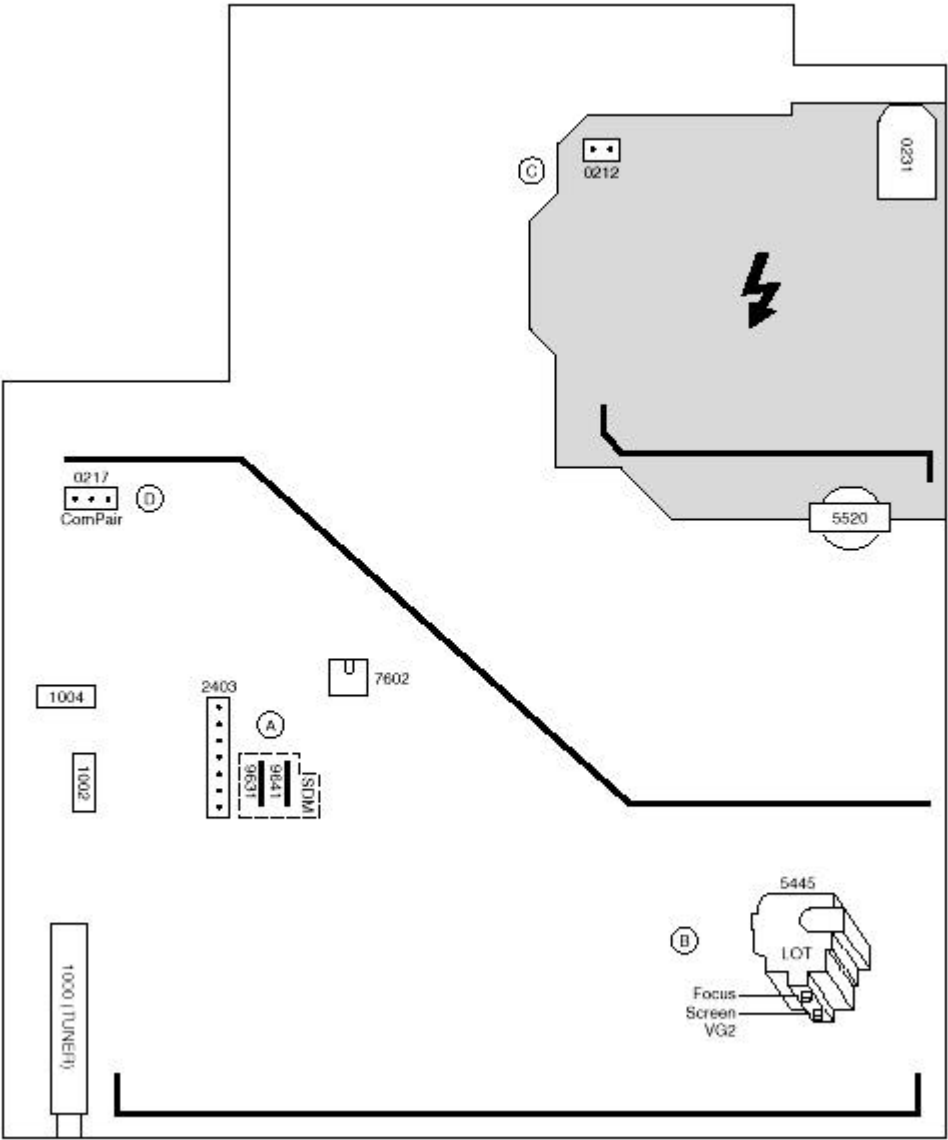


Fig. 1

## Vg2 Adjustment

1. Activate the SAM.
2. Go to the WHITE TONE sub menu.
3. Set the values of NORMAL RED, GREEN and BLUE to 40.
4. Go, via the MENU key, to the normal user menu and set
  - CONTRAST to zero.
  - BRIGHTNESS to minimum (OSD just visible in a dark room).
5. Return to the SAM via the MENU key.
6. Connect the RF output of a pattern generator to the antenna input. Test pattern is a 'black' picture (blank screen on CRT without any OSD info).
7. Set the channel of the oscilloscope to 50 V/div and the time base to 0.2 ms (external triggering on the vertical pulse).
8. Ground the scope at the CRT panel and connect a 10:1 probe to one of the cathodes of the picture tube socket (see diagram B).
9. Measure the cut off pulse during first full line after the frame blanking (see Fig. 2). You will see two pulses, one being the cut off pulse and the other being the white drive pulse. Choose the one with the lowest value, this is the cut off pulse.
10. Select the cathode with the highest  $V_{DC}$  value for the alignment. Adjust the  $V_{cutoff}$  of this gun with the SCREEN potentiometer (see Fig. 1) on the LOT to the correct value (see table below).
11. Restore BRIGHTNESS and CONTRAST to normal (= 31).

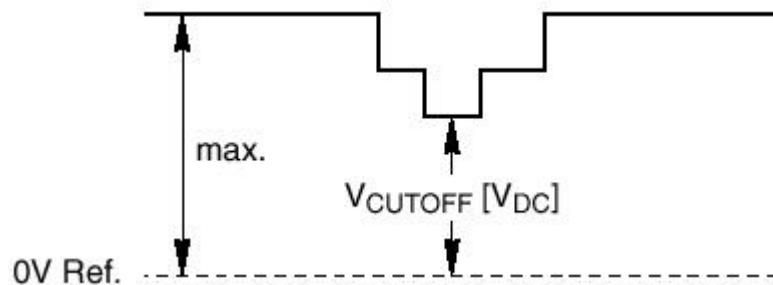


Fig. 2

| Screen size  | Cut-off [V] |
|--|-------------|
| 13V, 14", 14RF, 15RF, 17", 19V, 20"                          | 140 ± 4     |
| 21" (L8)   | 150 ± 4     |
| 21" (M8), 20RF, 21RF, 24WS, 25BLD, 25HF, 28 BLD, 28WS        | 125 ± 4     |
| 25V, 25BLS, 25RF, 27V, 28BLS, 29", 29RF, 32V, 33", 32WS, 35V | 145 ± 10    |

## Focusing

1. Tune the set to a circle or crosshatch test pattern (use an external video pattern generator).
2. Choose picture mode NATURAL (or MOVIES) with the 'SMART PICTURE' button on the remote control transmitter.
3. Adjust the FOCUS potentiometer (see Fig.1) until the vertical lines at 2/3 from east and west, at the height of the centerline, are of minimum width without visible haze.

## Software Alignments And Settings

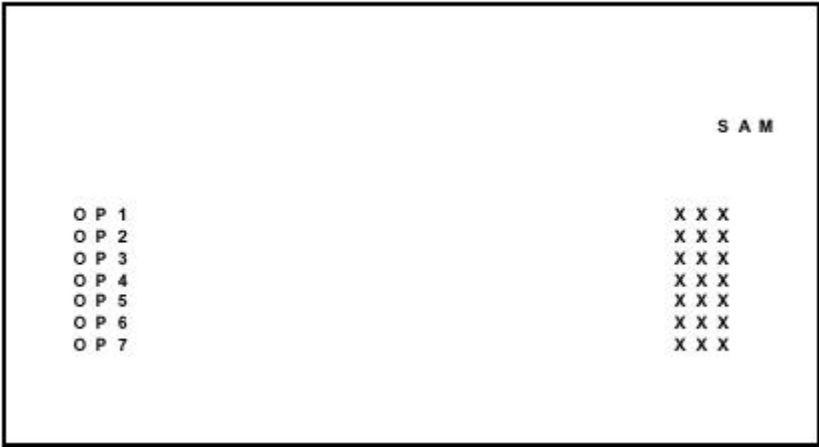
Enter the Service Alignment Mode (see **Service Modes Error Codes And Fault Finding.**). The SAM menu will now appear on the screen.

## Options

|            | OB1 | OB2 | OB3 | OB4 | OB5 | OB6 | OB7 |
|------------|-----|-----|-----|-----|-----|-----|-----|
| 13PR10G121 | 000 | 023 | 001 | 000 | 144 | 153 | 000 |
| 13PR11M121 | 000 | 023 | 001 | 000 | 144 | 153 | 000 |
| 13PR12W121 | 000 | 023 | 001 | 000 | 144 | 153 | 000 |
| 14LL100121 | 016 | 023 | 001 | 000 | 144 | 153 | 000 |
| 14LW102221 | 016 | 023 | 001 | 000 | 144 | 153 | 000 |
| 14LX100121 | 016 | 023 | 001 | 000 | 144 | 153 | 000 |
| 14RF50S3   | 000 | 023 | 001 | 162 | 180 | 152 | 000 |
| 15PV1022   | 016 | 023 | 001 | 162 | 180 | 152 | 000 |
| 19PR11C121 | 000 | 023 | 001 | 000 | 144 | 153 | 000 |
| 19PR11C122 | 000 | 023 | 001 | 000 | 144 | 153 | 000 |
| 19PR11C125 | 000 | 023 | 001 | 000 | 144 | 153 | 000 |
| 19PR16C121 | 000 | 023 | 001 | 000 | 144 | 153 | 000 |
| 19PR16C122 | 000 | 023 | 001 | 000 | 144 | 153 | 000 |
| 19PR16C125 | 000 | 023 | 001 | 000 | 144 | 153 | 000 |
| 19PS30C121 | 000 | 023 | 001 | 001 | 000 | 153 | 000 |
| 19PS30C122 | 000 | 023 | 001 | 001 | 000 | 153 | 000 |
| 19PS30C125 | 000 | 023 | 001 | 001 | 000 | 153 | 000 |
| 19PS40C121 | 000 | 023 | 001 | 001 | 144 | 153 | 000 |
| 19PS40C122 | 000 | 023 | 001 | 001 | 144 | 153 | 000 |
| 19PS40C125 | 000 | 023 | 001 | 001 | 144 | 153 | 000 |
| 19PS50S121 | 000 | 023 | 001 | 162 | 180 | 153 | 000 |
| 19PS50S122 | 000 | 023 | 001 | 162 | 180 | 153 | 000 |
| 19PS50S125 | 000 | 023 | 001 | 162 | 180 | 152 | 000 |
| 20LL200122 | 016 | 023 | 001 | 000 | 144 | 153 | 000 |
| 20LL200125 | 016 | 023 | 001 | 000 | 144 | 153 | 000 |
| 20LW202222 | 016 | 023 | 001 | 162 | 180 | 152 | 000 |
| 20LW202225 | 016 | 023 | 001 | 162 | 180 | 152 | 000 |
| 20LX200122 | 016 | 023 | 001 | 000 | 144 | 153 | 000 |
| 20LX200125 | 016 | 023 | 001 | 000 | 144 | 153 | 000 |

### Option Byte Table





Options are used to control the presence / absence of certain features and hardware.

### How to change an Option Byte

An Option Byte represents a number of different options. Changing these bytes directly makes it possible to set all options very fast. All options are controlled via seven option bytes. Select the option byte (OB1.. OB7) with the MENU UP/DOWN keys, and enter the new value. Leaving the OPTION submenu saves changes in the Option Byte settings. Some changes will only take effect after the set has been switched OFF and ON with the AC power switch (cold start).

### How to calculate the value of an Option Byte

- Calculate an Option Byte value (OB1 .. OB7) in the following way:
1. Check the status of the single option bits (OP): are they enabled (1) or disabled (0).
  2. When an option bit is enabled (1) it represents a certain value (see column 'Dec. value' in table below). When an option bit is disabled, its value is 0.
  3. The total value of an Option Byte is formed by the sum of its eight option bits.

| OPTION BYTE STRUCTURE |      |      |      |      |      |      |      |      | TOTAL VALUE        |
|-----------------------|------|------|------|------|------|------|------|------|--------------------|
| Bit                   | 7    | 6    | 5    | 4    | 3    | 2    | 1    | 0    |                    |
| Dec. value            | 128  | 64   | 32   | 16   | 8    | 4    | 2    | 1    |                    |
| OB1                   | OP17 | OP16 | OP15 | OP14 | OP13 | OP12 | OP11 | OP10 | Sum (OP10 to OP17) |
| OB2                   | OP27 | OP26 | OP25 | OP24 | OP23 | OP22 | OP21 | OP20 | Sum (OP20 to OP27) |
| OB3                   | OP37 | OP36 | OP35 | OP34 | OP33 | OP32 | OP31 | OP30 | Sum (OP30 to OP37) |
| OB4                   | OP47 | OP46 | OP45 | OP44 | OP43 | OP42 | OP41 | OP40 | Sum (OP40 to OP47) |
| OB5                   | OP57 | OP56 | OP55 | OP54 | OP53 | OP52 | OP51 | OP50 | Sum (OP50 to OP57) |
| OB6                   | OP67 | OP66 | OP65 | OP64 | OP63 | OP62 | OP61 | OP60 | Sum (OP60 to OP67) |
| OB7                   | OP77 | OP76 | OP75 | OP74 | OP73 | OP72 | OP71 | OP70 | Sum (OP70 to OP77) |

## ***Option Bit Assignment***

Following are the option bit assignments for all L01 software clusters.

- Option Byte 1 (OB1)
  - OP10: CHINA
  - OP11: VIRGIN\_MODE
  - OP12: UK\_PNP
  - OP13: ACI
  - OP14: ATS
  - OP15: LNA
  - OP16: FM\_RADIO
  - OP17: PHILIPS\_TUNER
- Option Byte 2 (OB2)
  - OP20: HUE
  - OP21: COLOR\_TEMP
  - OP22: CONTRAST\_PLUS
  - OP23: TILT
  - OP24: NOISE\_REDUCTION
  - OP25: CHANNEL\_NAMING
  - OP26: SMART\_PICTURE
  - OP27: SMART\_SOUND
- Option Byte 3 (OB3)
  - OP30: AVL
  - OP31: WSSB
  - OP32: WIDE\_SCREEN
  - OP33: SHIFT\_HEADER\_SUBTITLE
  - OP34: CONTINUOUS\_ZOOM
  - OP35: COMPRESS\_16\_9
  - OP36: EXPAND\_4\_3
  - OP37: EW\_FUNCTION
- Option Byte 4 (OB4)
  - OP40: STEREO\_NON\_DBX
  - OP41: STEREO\_DBX
  - OP42: STEREO\_PB
  - OP43: STEREO\_NICAM\_2CS
  - OP44: DELTA\_VOLUME
  - OP45: ULTRA\_BASS
  - OP46: VOLUME\_LIMITER
  - OP47: INCR\_SUR
- Option Byte 5 (OB5)
  - OP50: PIP
  - OP51: HOTEL\_MODE
  - OP52: SVHS

- OP53: CVI
- OP54: AV3
- OP55: AV2
- OP56: AV1
- OP57: NTSC\_PLAYBACK
- Option Byte 6 (OB6)
- OP60: Reserved (value = 0)
- OP61: SMART\_TEXT
- OP62: SMART\_LOCK
- OP63: VCHIP
- OP64: WAKEUP\_CLOCK
- OP65: SMART\_CLOCK
- OP66: SMART\_SURF
- OP67: PERSONAL\_ZAPPING
- Option Byte 7 (OB7)
- OP70: SOUND\_SYSTEM\_AP\_3 /MULTI\_STANDARD\_EUR / SYSTEM\_LT\_2
- OP71: SOUND\_SYSTEM\_AP\_2 / WEST\_EU/ SYSTEM\_LT\_1
- OP72: SOUND\_SYSTEM\_AP\_1
- OP73: COLOR\_SYSTEM\_AP
- OP74: Reserved (value = 0)
- OP75: Reserved (value = 0)
- OP76: TIME\_WIN2
- OP77: TIME\_WIN1

### ***Option bit definition***

- OP10: CHINA  
0 : Tuning is not for China set, or this option bit is not applicable,  
1 : Tuning is for China set,  
Default setting : 0.
- OP11: VIRGIN\_MODE 0 :  
Virgin mode is disabled or not applicable,  
1 : Virgin mode is enabled. Plug and Play menu item will be displayed to perform installation at the initial startup of the TV when VIRGIN\_MODE is set to 1. After installation is finished, this option bit will be automatically set to 0,  
Default setting : 0.
- OP12: UK\_PNP  
0 : UK's default Plug and Play setting is not available or not applicable, 1 : UK's default Plug and Play setting is available.  
When UK\_PNP and VIRGIN\_MODE are set to 1 at the initial setup, LANGUAGE = ENGLISH, COUNTRY = GREAT BRITAIN and after exiting from menu, VIRGIN\_MODE will be set automatically to 0 while UK\_PNP remains 1,  
Default setting : 0.
- OP13: ACI  
0 : ACI feature is disabled or not applicable,  
1 : ACI feature is enabled,  
Default setting : 0.

- OP14: ATS  
0 : ATS feature is disabled or not applicable, 1 : ATS feature is enabled. When ATS is enabled, it sorts the program in an ascending order starting from program 1,  
Default setting : 0.
- OP15: LNA  
0 :Auto Picture Booster is not available or not applicable,  
1: Auto Picture Booster is available,  
Default setting : 0.
- OP16: FM\_RADIO  
0 : FM radio feature is disabled or not applicable,  
1 : FM radio feature is enabled,  
Default setting : 0.
- OP17: PHILIPS\_TUNER  
0 : ALPS / MASCO compatible tuner is in use,  
1 : Philips compatible tuner is in use,  
Default setting : 0.
- OP20: HUE  
0 : Hue/Tint Level is disabled or not applicable,  
1 : Hue/Tint Level is enabled,  
Default setting : 0.
- OP21: COLOR\_TEMP  
0 : Color Temperature is disabled or not applicable,  
1 : Color Temperature is enabled,  
Default setting : 0.
- OP22: CONTRAST\_PLUS  
0 : Contrast+ is disabled or not applicable,  
1 : Contrast+ is enabled,  
Default setting : 0.
- OP23: TILT  
0 : Rotate Picture is disabled or not applicable,  
1 : Rotate Picture is enabled,  
Default setting : 0.
- OP24: NOISE\_REDUCTION  
0 : Noise Reduction (NR) is disabled or not applicable,  
1 : Noise Reduction (NR) is enabled,  
Default setting : 0.
- OP25: CHANNEL\_NAMING  
0 : Name FM Channel is disabled or not applicable,  
1 : Name FM Channel is enabled,  
Default setting : 0.  
Note : Name FM channel can be enabled only when FM\_RADIO = 1.

- OP26: SMART\_PICTURE  
0 : Smart Picture is disabled or not applicable,  
1 : Smart Picture is enabled,  
Default setting : 1
- OP27: SMART\_SOUND  
0 : Smart Sound is disabled or not applicable,  
1 : Smart Sound is enabled,  
Default setting : 1
- AP30: AVL  
0 : AVL is disabled or not applicable,  
1 : AVL is enabled,  
Default setting : 0.
- OP31: WSSB  
0 : WSSB is disabled or not applicable,  
1 : WSSB is enabled,  
Default setting : 0.  
Note : This option bit can be set to 1 only when WIDE\_SCREEN = 1.
- OP32: WIDE\_SCREEN  
0 : Software is used for 4:3 set or not applicable,  
1 : Software is used for 16:9 set,  
Default setting : 0.
- OP33: SHIFT\_HEADER\_SUBTITLE  
0 : Shift Header / Subtitle is disabled or not applicable,  
1 : Shift Header / Subtitle is enabled,  
Default setting : 0.  
Note : This option bit can be set to 1 only when WIDE\_SCREEN = 1.
- OP34: CONTINUOUS\_ZOOM  
0 : Continuous Zoom is disabled or not applicable,  
1 : Continuous Zoom is enabled,  
Default setting : 0.  
Note : This option bit can be set to 1 only when WIDE\_SCREEN = 1.
- OP35: COMPRESS\_16\_9  
0 : COMPRESS 16:9 selection is not applicable. Item should not be in the FORMAT menu list,  
1 : COMPRESS 16:9 selection is applicable. Item should not be in the FORMAT menu list,  
Default setting : 0.
- OP36: EXPAND\_4\_3  
0 : Expand 4:3 selection is not applicable. Item should not be in the FORMAT menu list,  
1 : Expand 4:3 selection is applicable. Item should be in the FORMAT menu list,  
Default setting : 0.
- OP37: EW\_FUNCTION  
0 : EW function is disabled. In this case, only Expand 4:3 is allowed, Compress 16:9 is not applicable.  
1 : EW function is enabled. In this case, both Expand 4:3 and Compress 16:9 are applicable.  
Default setting : 0.

- OP40: STEREO\_NON\_DBX  
0 : For AP\_NTSC, chip TDA 9853 is not present,  
1 : For AP\_NTSC, chip TDA 9853 is present,  
Default setting : 0.
- OP41: STEREO\_DBX  
0 : For AP\_NTSC, chip MSP 3445 is not present,  
1 : For AP\_NTSC, chip MSP 3445 is present, Default setting : 0.
- OP42: STEREO\_PB  
0 : For AP\_PAL, chip MSP3465 is not present,  
1 : For AP\_PAL, chip MSP3465 is present,  
Default setting : 0.
- OP43: STEREO\_NICAM\_2CS  
0 : For EU and AP\_PAL, chip MSP 3415 is not present,  
1 : For EU and AP\_PAL, chip MSP 3415 is present,  
Default setting : 0.
- OP44: DELTA\_VOLUME  
0 : Delta Volume Level is disabled or not applicable,  
1 : Delta Volume Level is enabled,  
Default setting : 0.
- OP45: ULTRA\_BASS  
0 : Ultra Bass is disabled or not applicable,  
1 : Ultra Bass is enabled,  
Default setting : 0.
- OP46: VOLUME\_LIMITER  
0 : Volume Limiter Level is disabled or not applicable,  
1 : Volume Limiter Level is enabled,  
Default setting : 0.
- OP47: INCR\_SUR  
0 : Incredible Surround feature is disabled,  
1 : Incredible Surround feature is enabled,  
Default setting : 1
- OP50: PIP  
0 : PIP is disabled or not applicable,  
1 : PIP is enabled,  
Default setting : 0.
- OP51: HOTEL\_MODE  
0 : Hotel mode is disabled or not applicable,  
1 : Hotel mode is enabled,  
Default setting : 0.
- OP52: SVHS  
0 : SVHS source is not available,  
1 : SVHS source is available,  
Default setting : 0.  
Note : This option bit is not applicable for EU.

- OP53: CVI
  - 0 : CVI source is not available,
  - 1 : CVI source is available,
  - Default setting : 0.
- OP54: AV3
  - 0 : Side/Front AV3 source is not present,
  - 1 : Side/Front AV3 source is present,
  - Default setting : 0.
- OP55: AV2
  - 0 : AV2 source is not present,
  - 1 : AV2 source is present,
  - Default setting : 0.
  - Note : For EU, when AV2=1, both EXT2 and SVHS2 should be included in the OSD loop.
- OP56: AV1
  - 0 : AV1 source is not present,
  - 1 : AV1 source is present,
  - Default setting : 0.
- OP57: NTSC\_PLAYBACK
  - 0 : NTSC playback feature is not available,
  - 1 : NTSC playback feature is available,
  - Default setting : 0.
- OP60: Reserved
  - Default setting : 0.
- OP61: SMART\_TEXT
  - 0 : Smart Text Mode and Favorite Page are disabled or not applicable,
  - 1 : Smart Text Mode and Favorite Page are enabled,
  - Default setting : 1.
- OP62: SMART\_LOCK
  - 0 : Child Lock and Lock Channel are disabled or not applicable for EU,
  - 1 : Child Lock and Lock Channel are enabled for EU,
  - Default setting : 1.
- OP63: VCHIP
  - 0 : VCHIP feature is disabled,
  - 1 : VCHIP feature is enabled,
  - Default setting : 1.
- OP64: WAKEUP\_CLOCK
  - 0 : Wake up clock feature is disabled or not applicable,
  - 1 : Wake up clock feature is enabled,
  - Default setting : 1.
- OP65: SMART\_CLOCK
  - 0 : Smart Clock Using Teletext and Smart Clock Using PBS is disabled or not applicable,
  - 1 : Smart Clock Using Teletext and Smart Clock Using PBS is enabled. For NAFTA, menu item AUTOCHRON is present in the INSTALL submenu,
  - Default setting : 0.

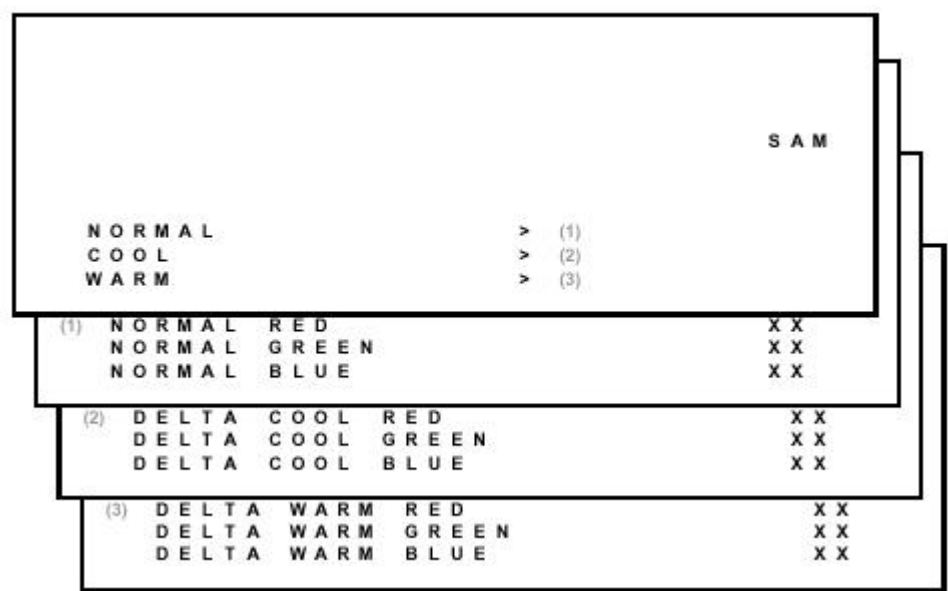
- OP66: SMART\_SURF
  - 0 : Smart Surf feature is disabled or not applicable,
  - 1 : Smart Surf feature is enabled,
  - Default setting : 0.
- OP67: PERSONAL\_ZAPPING
  - 0 : Personal Zapping feature is disabled or not applicable,
  - 1 : Personal Zapping feature is enabled,
  - Default setting : 0.
- OP70: MULTI\_STANDARD\_EUR
  - 0 : Not for Europe multi standard set, or this option bit is not applicable,
  - 1 : For Europe multi standard set.
  - Default setting : 0.
  - Note : This option bit is used to control the SYSTEM selection in Manual Store : If MULTI\_STANDARD\_EUR = 1 then SYSTEM = Europe, West Europe, East Europe, UK, France otherwise SYSTEM = 'Europe, West Europe, UK for West Europe' (WEST\_EU=1) or SYSTEM = 'Europe, West Europe, East Europe for East Europe' (WEST\_EU=0)
- OP71: WEST\_EU
  - 0 : For East Europe set, or this option bit is not applicable,
  - 1 : For West Europe set,
  - Default setting : 0.
- OP71 and 70: SYSTEM\_LT\_1, SYSTEM\_LT\_2
  - These two option bits are allocated for LATAM system selection.
  - 00 : NTSC-M
  - 01 : NTSC-M, PAL-M
  - 10 : NTSC-M, PAL-M, PAL-N
  - 11 : NTSC-M, PAL-M, PAL-N, PAL-BG
  - Default setting : 00
- OP70, 71 and 72: SOUND\_SYSTEM\_AP\_1, SOUND\_SYSTEM\_AP\_2, SOUND\_SYSTEM\_AP\_3
  - These three option bits are allocated for AP\_PAL sound system selection.
  - 000 : BG
  - 001 : BG / DK
  - 010 : I / DK
  - 011 : BG / I / DK
  - 100 : BG / I / DK / M
  - Default setting : 00
- OP73: COLOR\_SYSTEM\_AP
  - This option bit is allocated for AP-PAL color system selection.
  - 0 : Auto, PAL 4.43, NTSC 4.43, NTSC 3.58
  - 1 : Auto, PAL 4.43, NTSC 4.43, NTSC 3.58, SECAM
  - Default setting : 0
- OP74: Reserved
  - Default setting : 0.
- OP75: Reserved
  - Default setting : 0.



- OP77 and 76: TIME\_WIN1, TIME\_WIN2  
00 :The time window is set to 1.2s  
01 : The time window is set to 2s  
10 : The time window is set to 5s  
11 : not in use  
Default setting : 01  
Note :The time-out for all digit entries depend on this setting.

Tuner

Note: Described alignments are only necessary when the NVM (item 7602) is replaced.



**IF PLL**

This adjustment is auto-aligned. Therefore, no action is required.

**AFW (AFC window)**

Fixed value is OFF.

### ***AGC (AGC take over point)***

Set the external pattern generator to a color bar video signal and connect the RF output to aerial input. Set amplitude to 10 mV and set frequency to 61.25 MHz (channel 3).

Connect a DC multimeter to pin 1 of the tuner (item 1000 on the main panel).

1. Activate the SAM.
2. Go to the TUNER sub menu.
3. Select AFW with the UP/DOWN cursor keys and set to ON.
4. Select AGC with the UP/DOWN cursor keys.
5. Adjust the AGC-value (default value is 27) with the LEFT/RIGHT cursor keys until the voltage at pin 1 of the tuner lies between 3.8 and 2.3 V.
6. Select AFW with the UP/DOWN cursor keys and set to OFF.
7. Switch the set to STANDBY.

### ***YD (Y-delay adjustment)***

Always set to 3.

### ***CL (Cathode drive level)***

Always set to 4.

### ***AFA***

Read only bit, for monitoring purpose only.

### ***AFB***

Read only bit, for monitoring purpose only.

## White Tone

The diagram illustrates the menu structure for the White Tone sub-menu. It consists of three overlapping rectangular boxes representing the menu levels:

- Top Box (Main Menu):**
  - Top right: S A M
  - Left side: NORMAL, COOL, WARM
  - Right side: > (1), > (2), > (3)
- Middle Box (Level 1):**
  - Left side: (1) NORMAL RED, NORMAL GREEN, NORMAL BLUE
  - Right side: XX, XX, XX
- Bottom Box (Level 2):**
  - Left side: (2) DELTA COOL RED, DELTA COOL GREEN, DELTA COOL BLUE
  - Right side: XX, XX, XX
- Bottom Box (Level 3):**
  - Left side: (3) DELTA WARM RED, DELTA WARM GREEN, DELTA WARM BLUE
  - Right side: XX, XX, XX

In the WHITE TONE sub menu, the values of the black cut off level can be adjusted. Normally, no alignment is needed for the WHITE TONE. You can use the given default values.

The color temperature mode (NORMAL, COOL and WARM) and the color (R, G, and B) can be selected with the UP/DOWN RIGHT/LEFT cursor keys. The value can be changed with the LEFT/RIGHT cursor keys. First, select the values for the NORMAL color temperature. Then select the values for the COOL and WARM mode. After alignment, switch the set to standby, in order to store the alignments.

Default settings:

1. **NORMAL** (color temperature = 10500 K):

- NORMAL R = 40
- NORMAL G = 40
- NORMAL B = 40

2. **COOL** (color temperature = 14000 K):

- DELTA COOL R = -2
- DELTA COOL G = 0
- DELTA COOL B = 6

3. **WARM** (color temperature = 8200 K):

- DELTA WARM R = 2
- DELTA WARM G = 0
- DELTA WARM B = -7

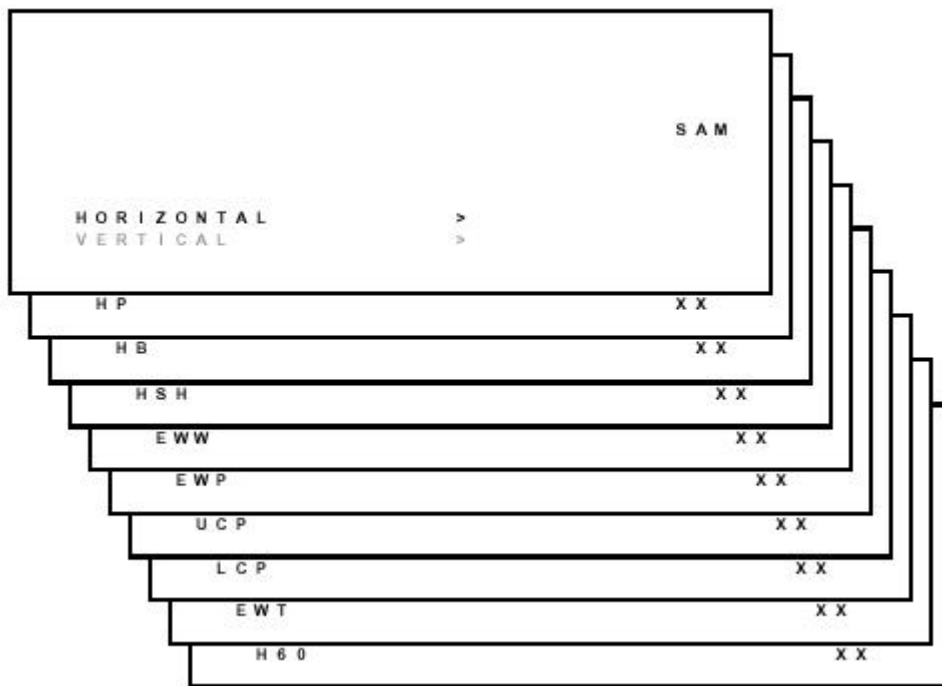
## Geometry

The geometry alignments menu contains several items to align the set, in order to obtain a correct picture geometry.

Connect an external video pattern generator to the aerial input of the TV-set and input a crosshatch test pattern. Set the generator amplitude to at least 1 mV and set frequency to 61.25 MHz (channel 3).

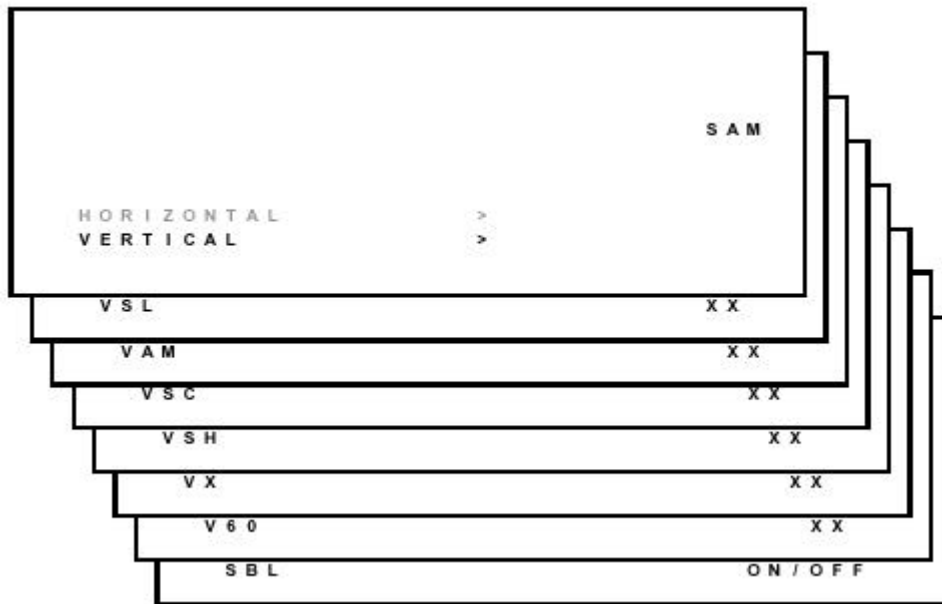
1. Set 'Smart Picture' to NATURAL (or MOVIES).
2. Activate the SAM menu (see chapter 5).
3. Go to the GEOMETRY sub menu.
4. Choose HORIZONTAL or VERTICAL alignment

Now the following alignments can be performed:



### **Horizontal:**

- **Horizontal Parallelogram (HP)** Align straight vertical lines in the top and the bottom; vertical rotation around the center.
- **Horizontal Bow (HB)** Align straight horizontal lines in the top and the bottom; horizontal rotation around the center.
- **Horizontal Shift (HSH)** Align the horizontal center of the picture to the horizontal center of the CRT.
- **East West Width (EWW)** Align the picture width until the complete test pattern is visible.
- **East West Parabola (EWP)** Align straight vertical lines at the sides of the screen.
- **Upper Corner Parabola (UCP)** Align straight vertical lines in the upper corners of the screen.
- **Lower Corner Parabola (LCP)** Align straight vertical lines in the lower corners of the screen.
- **East West Trapezium (EWT)** Align straight vertical lines in the middle of the screen.
- **H60** Align straight horizontal lines if NTSC system is used (60 Hz) i.s.o. PAL (50 Hz).



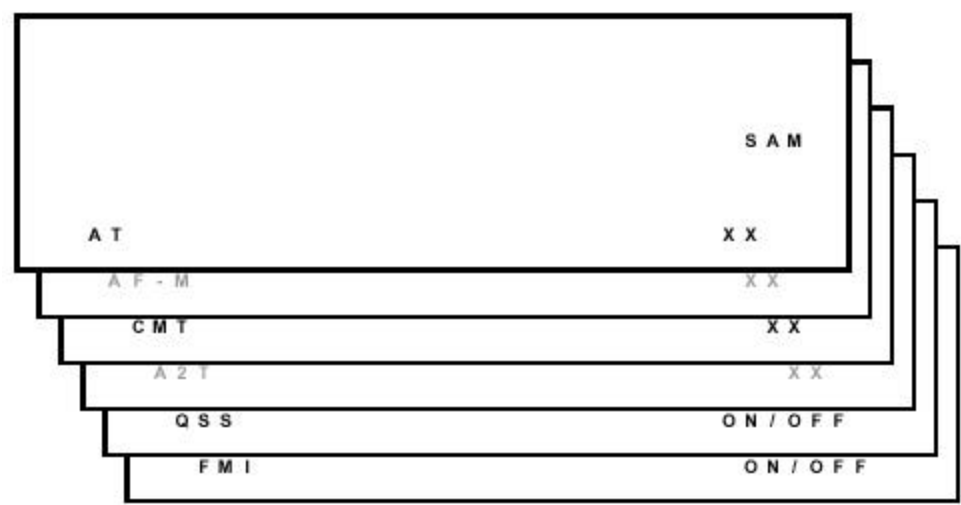
### **Vertical:**

- **Vertical slope (VSL)** Align the vertical center of the picture to the vertical center of the CRT. This is the first of the vertical alignments to perform. For an easy alignment, set SBL to ON.
- **Vertical Amplitude (VAM)** Align the vertical amplitude so that the complete test pattern is visible.
- **Vertical S-Correction (VSC)** Align the vertical linearity, meaning that vertical intervals of a grid pattern must be equal over the entire screen height.
- **Vertical Shift (VSH)** Align the vertical centering so that the test pattern is located vertically in the middle. Repeat the 'vertical amplitude' alignment if necessary.
- **Vertical Zoom (VX)** The vertical zoom is added in for the purpose of development. It helps the designer to set a proper values for the movie expand or movie(16x9) compress. Default value is 25.
- **V60** Align straight vertical lines if NTSC system (60 Hz) is used i.s.o. PAL (50 Hz).
- **Service blanking (SBL)** Switch the blanking of the lower half of the screen ON or OFF (to be used in combination with the vertical slope alignment).

In the table below, you will find the GEOMETRY default values for the different sets.

| DEFAULT GEOMETRY VALUES (L01 SMALL SCREEN) |                            |     |     |      |      |     |     |     |     |
|--|----------------------------|-----|-----|------|------|-----|-----|-----|-----|
| Alignment                                  | Description                | 13V | 14" | 14RF | 15RF | 17" | 19V | 20" | 21" |
| HP   | Hor. Parallelogram         | 31  | 31  | 31   | 31   | 31  | 31  | 31  | 31  |
| HB   | Hor. Bow                   | 31  | 31  | 31   | 31   | 31  | 31  | 31  | 31  |
| HSH  | Hor. Shift                 | 23  | 35  | 23   | 35   | 35  | 23  | 35  | 35  |
| EWV  | East West Width            | -   | -   | -    | -    | -   | -   | -   | -   |
| EWV  | East West Parabola         | -   | -   | -    | -    | -   | -   | -   | -   |
| UCP  | Upper Corner Parabola      | -   | -   | -    | -    | -   | -   | -   | -   |
| LCP  | Lower Corner Parabola      | -   | -   | -    | -    | -   | -   | -   | -   |
| EWV  | East West Trapezium        | -   | -   | -    | -    | -   | -   | -   | -   |
| VSL  | Vert. Slope                | 31  | 33  | 31   | 33   | 33  | 31  | 33  | 33  |
| VAM  | Vert. Amplitude            | 26  | 26  | 26   | 26   | 26  | 26  | 26  | 26  |
| VSC  | Vert. S-correction         | 23  | 23  | 23   | 23   | 23  | 23  | 23  | 23  |
| VSH  | Vert. Shift                | 30  | 35  | 30   | 35   | 35  | 30  | 35  | 35  |
| VX   | Vert. Zoom                 | -   | -   | -    | -    | -   | -   | -   | -   |
| H60  | Hor. Shift offset (60 Hz)  | 0   | 9   | 0    | 9    | 9   | 0   | 9   | 9   |
| V60  | Vert. Shift offset (60 Hz) | 0   | -2  | 0    | -2   | -2  | 0   | -2  | -2  |
| Abbreviations: V= visual, RF= Real Flat    |                            |     |     |      |      |     |     |     |     |

# Audio



No alignments are needed for the audio sub menu. Use the given default values.

## AT

Default value is 8.

## CMT

Default value is 42.

## QSS

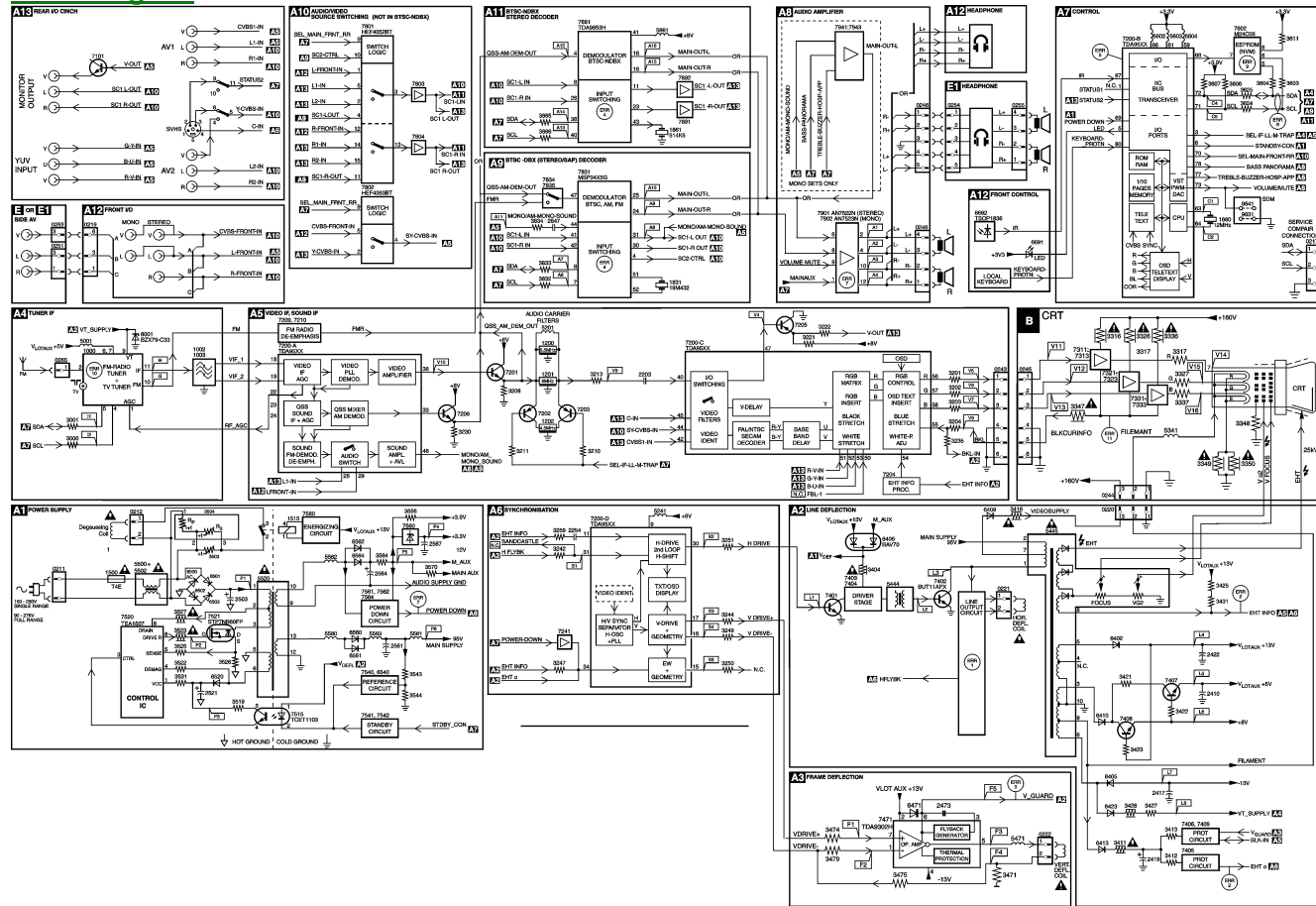
OFF for mono sets, ON for stereo sets.

## FMI

OFF for mono sets, ON for stereo sets.

# Circuit Description

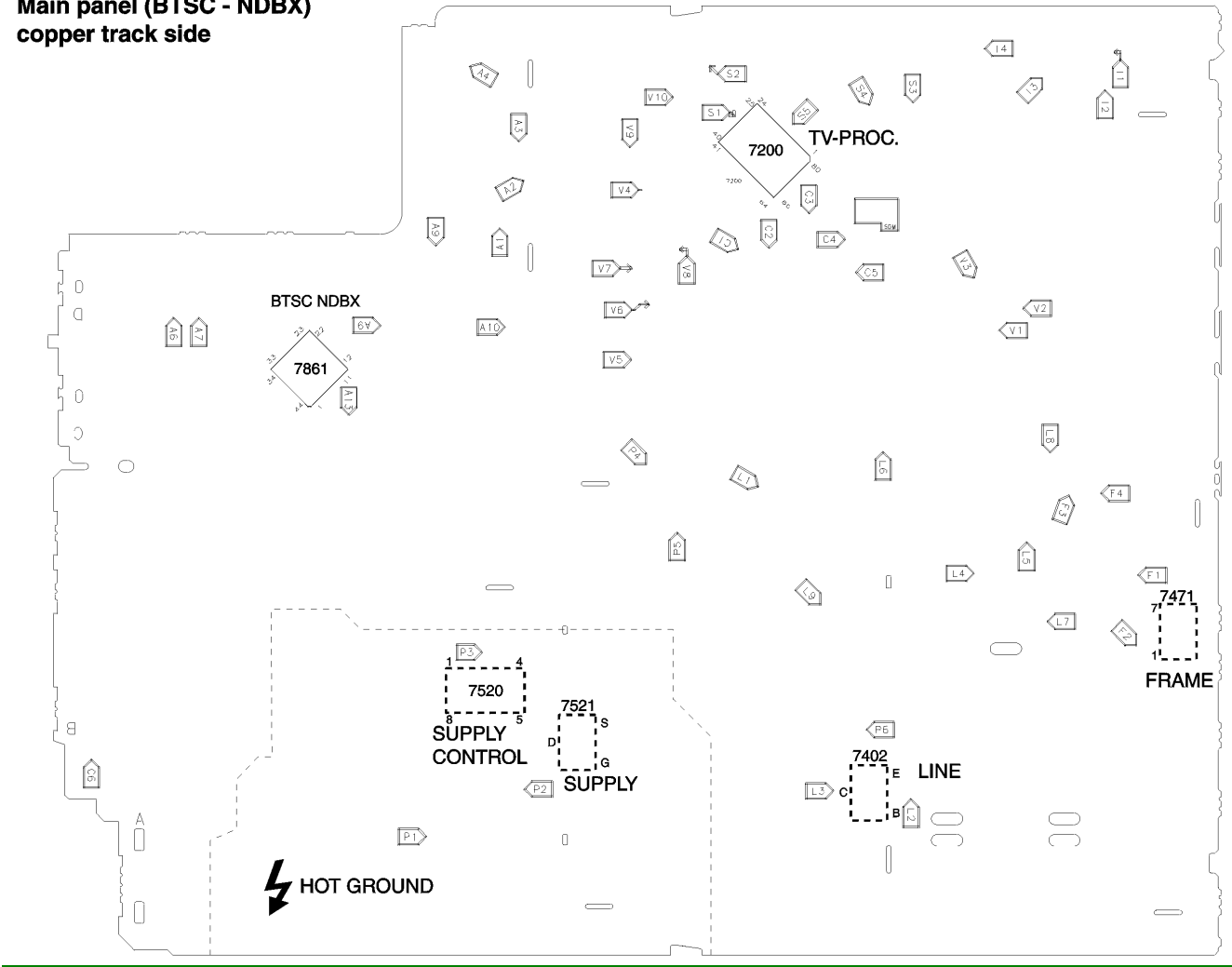
## Block diagram





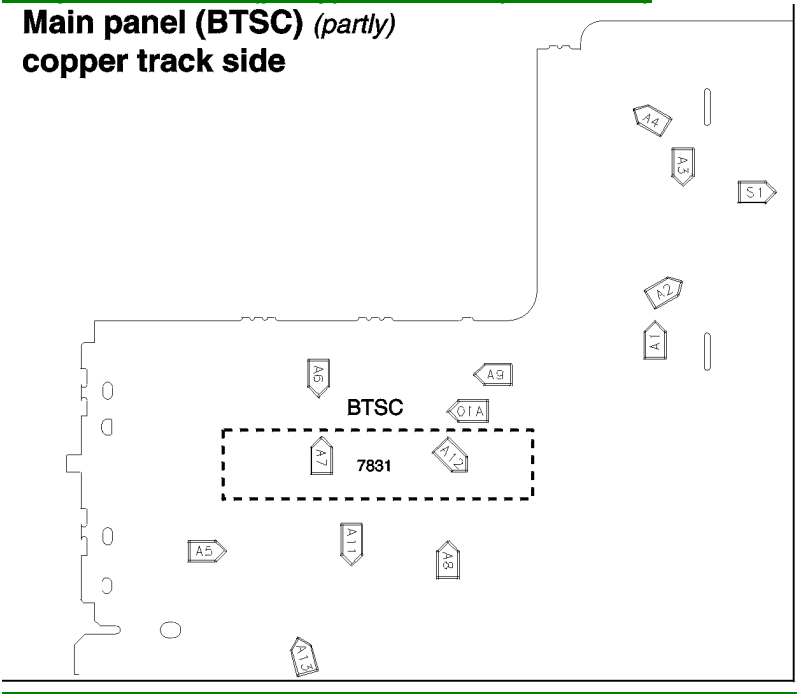
**Testpoint overview Main panel (BTSC-NDBX)**

**Main panel (BTSC - NDBX)  
copper track side**



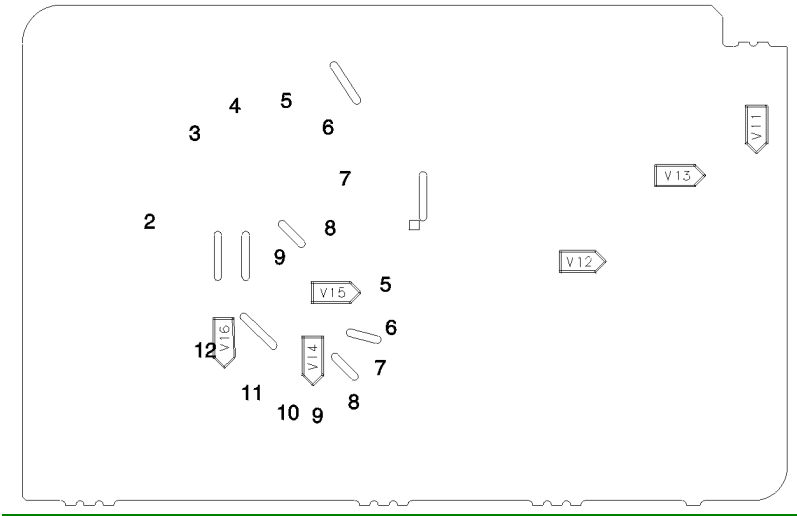
Testpoint overview (partly) Main Panel (BTSC-DBX)

**Main panel (BTSC) (partly)**  
**copper track side**

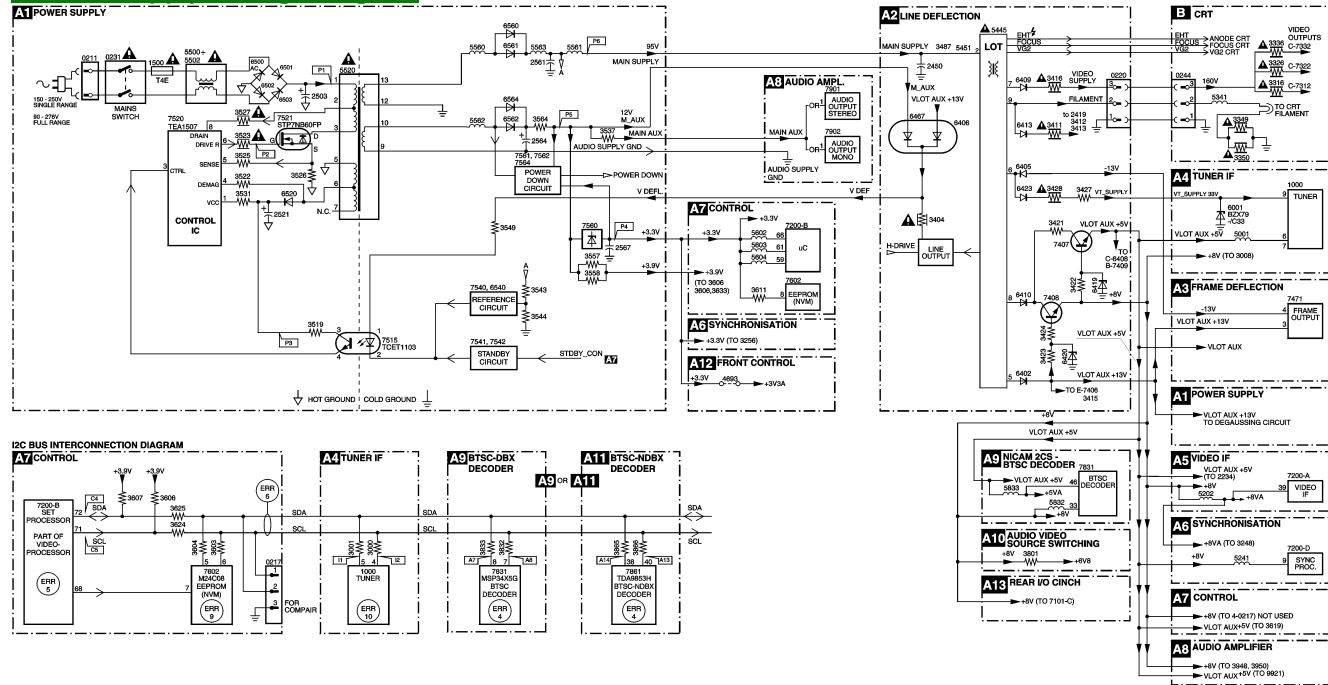


Testpoint overview CRT panel

**CRT panel copper track side**



## I2C and Supply Voltage diagram



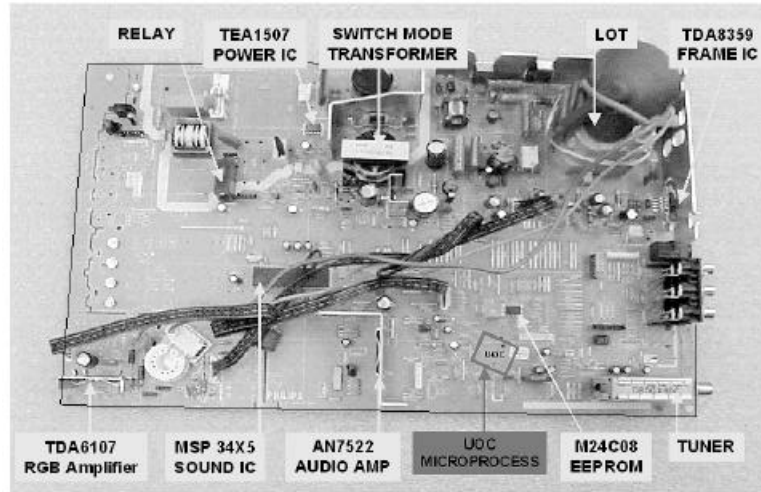
**Note:** For a good understanding of the following circuit descriptions, please use the block diagram or the electrical diagrams. Where necessary, you will find a separate drawing for clarification.

# Chassis Introduction

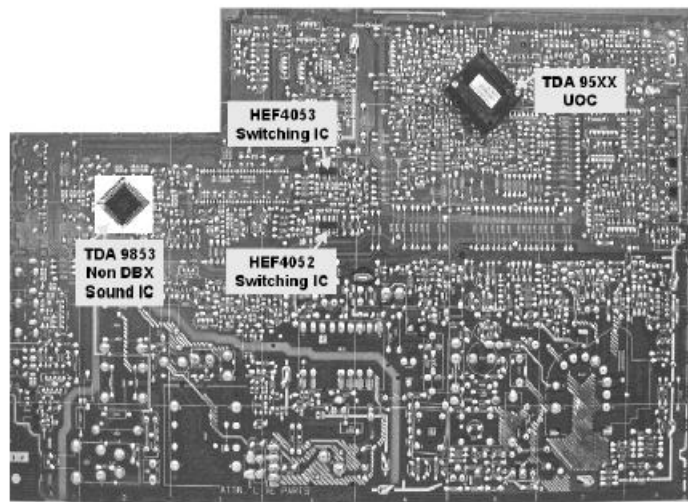
The L8/M8 chassis is a global TV chassis for the model year 2001 and is used for TV sets with screen sizes from 14" - 21".

The standard architecture consists of a Main panel, a Picture Tube panel, a Side I/O panel and a Top Control panel.

The Main panel consists primarily of conventional components with hardly any surface mounted devices.



The functions for video processing, microprocessor ( $\mu P$ ) and teletext (TXT) decoder are combined in one IC (TDA958xH), the so-called Ultimate One Chip (UOC). This chip is (surface) mounted on the copper side of the LS



The L8/M8 is divided into 2 basic systems, i.e. mono and stereo sound. While the audio processing for the mono sound is done in the audio block of the UOC, an external audio processing IC is used for stereo sets. The tuning system features 181 channels with on-screen display. The main tuning system uses a tuner, a microcomputer, and a memory IC mounted on the main panel.

The microcomputer communicates with the memory IC, the customer keyboard, remote receiver, tuner, signal processor IC and the audio output IC via the I<sup>2</sup>C bus. The memory IC retains the settings for favorite stations, customer-preferred settings, and service / factory data. The on-screen graphics and closed caption decoding are done within the microprocessor, and then sent to the signal processor IC to be added to the main signal.

The chassis utilizes a Switching Mode Power Supply (SMPS) for the main voltage source. The chassis has a 'hot' ground reference on the primary side and a cold ground reference on the secondary side of the power supply and the rest of the chassis.

## Audio Signal Processing

### **Stereo**

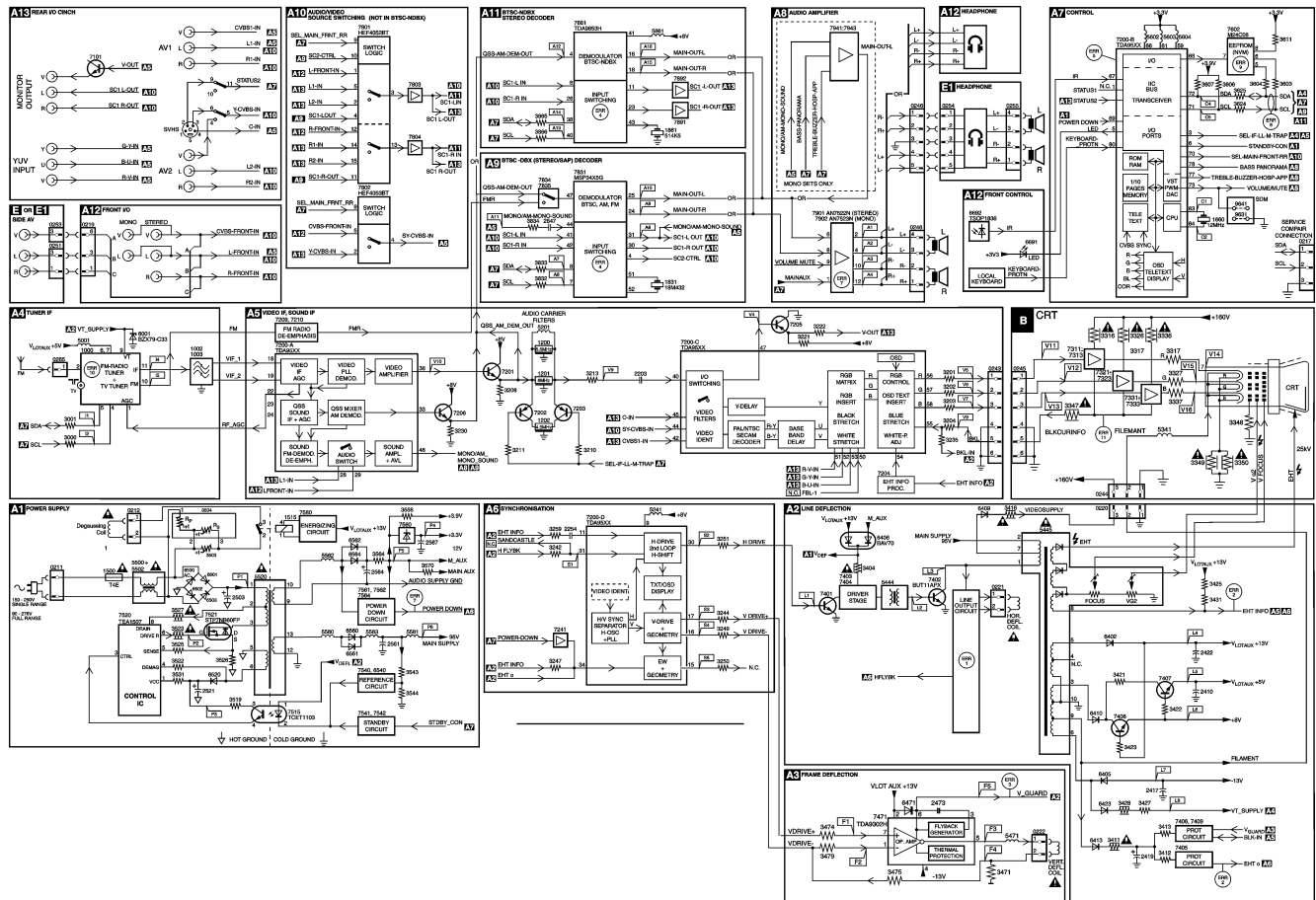
In stereo sets, the signal goes via the SAW filter (position 1002), to the audio demodulator part of the UOC IC 7200. The audio output on pin 48 goes to the stereo decoder 7831 or 7861. The switch inside this IC selects either the internal decoder or an external source.

There are two stereo decoders used:

1. a BTSC DBX stereo/SAP decoder (MSP34X5 at position 7831) for the highest specified sets and
2. a BTSC non-DBX stereo decoder (TDA 9853 at position 7861) for BTSC Economic.

The output is fed to the audio amplifier (AN7522 at position 7901). The volume level is controlled at this IC (pin 9) by a control line (VolumeMute) from the microprocessor. The audio signal from 7901 is then sent to the speaker / headphone output panel.

## Audio signal processing

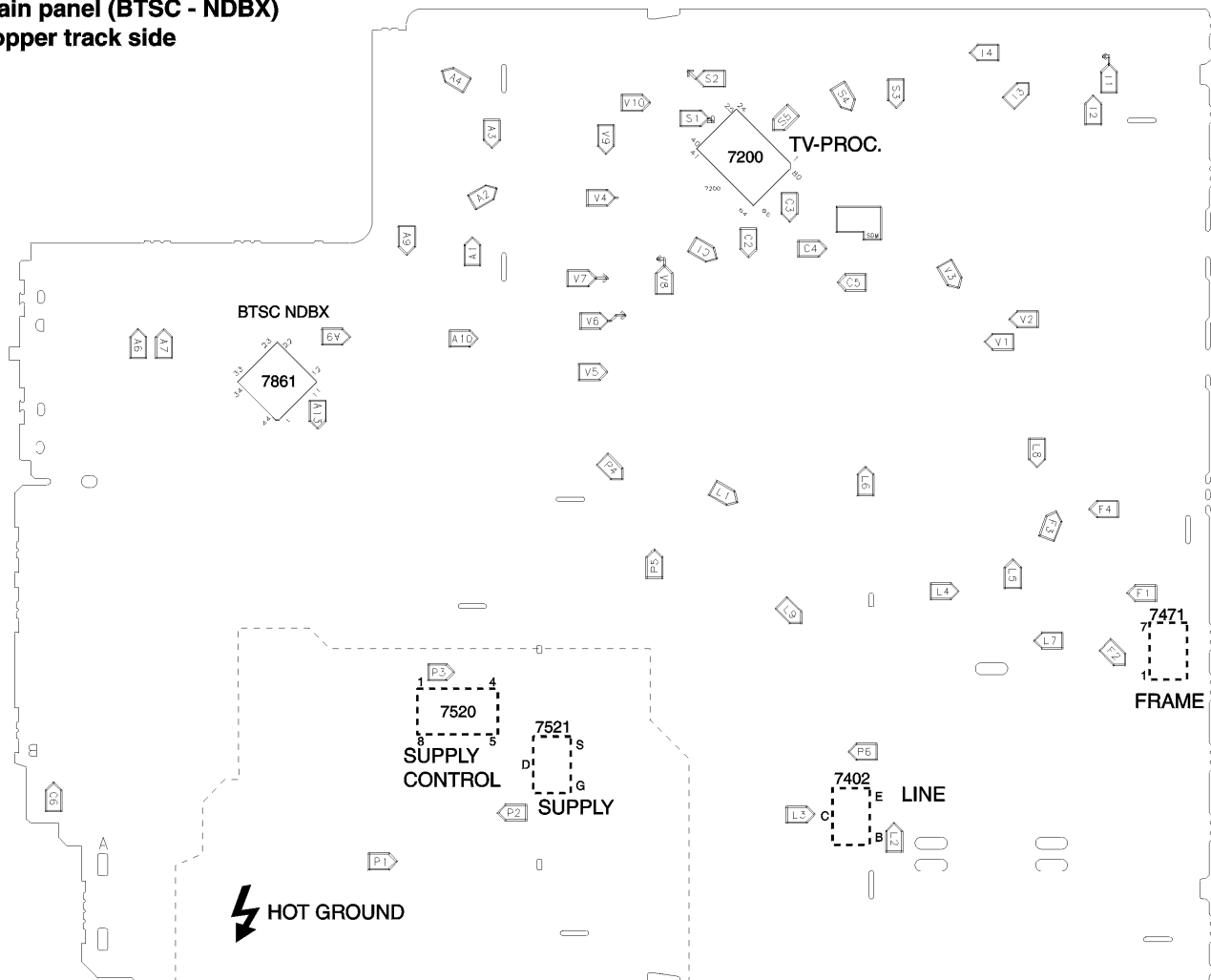


## Mono

In mono sets, the signal goes via the SAW filter (position 1002), to the audio demodulator part of the UOC IC 7200.  
The audio output on pin 48 goes, via the smart sound circuit (7941 for Bass and 7942 for Treble) and buffer 7943, to the audio amplifier (AN7523 at position 7902).  
The volume level is controlled at this IC (pin 9) by a 'VolumeMute' control line from the microprocessor.  
The audio signal from IC 7902 is then sent to the speaker / headphone output panel.

## Mono set

### Main panel (BTSC - NDBX) copper track side



# Video Signal Processing

The processing circuits listed above are all integrated in the UOC TV processor. The surrounding components are for the adaptation of the selected application. The I<sup>2</sup>C bus is for defining and controlling the signals.

## RF signal processing

The incoming RF signal goes to the tuner (pos. 1000), where the 45.75 MHz IF signal is developed and amplified. The IF signal then exits the tuner from pin 11 to pass through the SAW filters (pos. 1002). The shaped signal is then applied to the IF processor part of the UOC (pos. 7200).

Tuner AGC (Automatic Gain Control) will reduce the tuner gain and thus the tuner output voltage when receiving strong RF signals. Adjust the AGC takeover point via the Service Alignment Mode (SAM). The tuner AGC starts working when the video-IF input reaches a certain input level. Adjust this level via the I<sup>2</sup>C bus. The tuner AGC signal goes to the tuner (pin 1) via the open collector output (pin 22) of the UOC.

The IC also generates an Automatic Frequency Control (AFC) signal that goes to the tuning system via the I<sup>2</sup>C bus, to provide frequency correction when needed. The demodulated composite video signal is available at pin 38 and then buffered by transistor 7201.

## Video source selection

The Composite Video Blanking Signal (CVBS) from buffer 7201 goes to the audio carrier trap filters (1200, 1201, or 1202 depending on the system used) to remove the audio signal. The signal then goes to pin 40 of IC 7200. The internal input switch selects the following input signals:

- Pin 40: terrestrial CVBS input
- Pin 42: external AV1 CVBS input
- Pin 44: external Side I/O CVBS or AV2 Luminance (Y) input
- Pin 45: external AV2 Chrominance (C) input

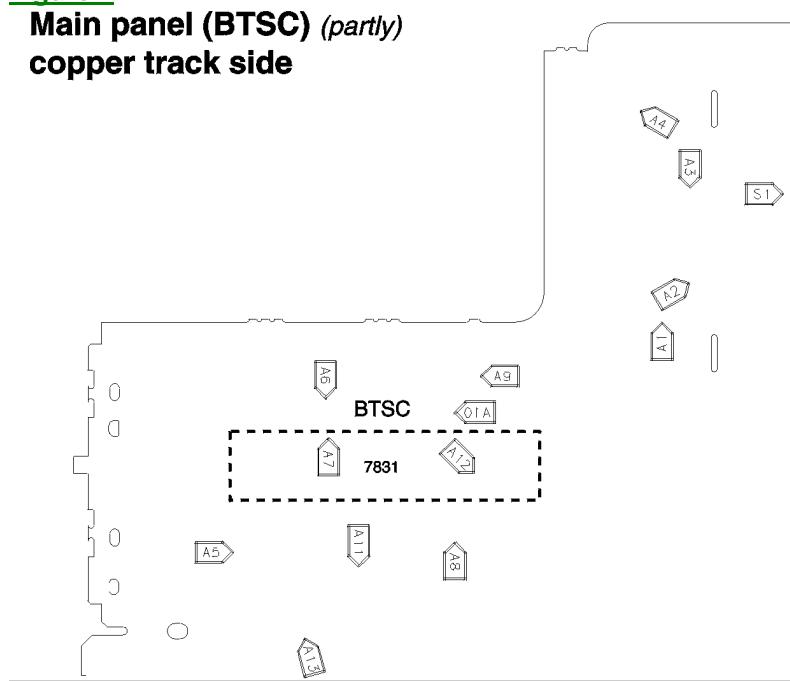
Once the signal source is selected, a chroma filter calibration is performed. The received color burst sub-carrier frequency is used for this. Correspondingly, the chroma band pass filter for PAL/NTSC processing or the cloche filter for SECAM processing is switched on. The selected luminance (Y) signal is supplied to the horizontal and vertical synchronization processing circuit and to the luminance processing circuit. In the luminance-processing block, the luminance signal goes to the chroma trap filter. This trap is switched 'on' or 'off' depending on the color burst detection of the chroma calibration circuit.

The group delay correction part can be switched between the BG and a flat group delay characteristic. This has the advantage that in multi-standard receivers no compromise has to be made for the choice of the SAW filter.



**Figure 1**

**Main panel (BTSC) (partly)  
copper track side**



## Video demodulation

The color decoder circuit detects whether the signal is a PAL, NTSC or SECAM signal. The result is made known to the auto system manager. The PAL/NTSC decoder has an internal clock generator, which is stabilized to the required frequency by using the 12 MHz clock signal from the reference oscillator of the microcontroller / teletext decoder.

The base-band delay line is used to obtain a good suppression of cross color effects.

The Y signal and the delay line outputs U and V are applied to the luminance / chroma signal processing part of the TV processor.

## Luminance / Chrominance signal processing

The output of the YUV separator is fed to the internal YUV switch, which switches between the output of the YUV separator or the external YUV (for DVD or PIP) on pins 51-53. Pin 50 is the input for the insertion control signal called 'FBL-1'. When this signal level becomes higher than 0.9 V (but less than 3 V), the RGB signals at pins 51, 52 and 53 are inserted into the picture by using the internal switches.

Also some picture improvement features are implemented in this part:

- **Black stretch** This function corrects the black level of incoming signals, which have a difference between the black level and the blanking level. The amount of extension depends upon the difference between actual black level and the darkest part of the incoming video signal level. It is detected by means of an internal capacitor.
- **White stretch** This function adapts the transfer characteristic of the luminance amplifier in a non-linear way depending on the average picture content of the luminance signal. It operates in such a way that maximum stretching is obtained when signals with a low video level are received. For bright pictures, stretching is not active.
- **Dynamic skin tone correction** This circuit corrects (instantaneously and locally) the hue of those colors which are located in the area in the UV plane that matches the skin tone. The correction is dependent on the luminance, saturation and distance to the preferred axis.

The YUV signal is then fed to the color matrix circuit, which converts it to R, G and B signals. The OSD/TXT signal from the microprocessor is mixed with the main signal at this point, before being output to the CRT board (pins 56, 57 and 58).

## RGB control

The RGB control circuit enables the picture parameters contrast, brightness and saturation to be adjusted, by using a combination of the user menus and the remote control.

Additionally automatic gain control for the RGB signals via cut-off stabilization is achieved in this functional block to obtain an accurate biasing of the picture tube. Therefore this block inserts the cut-off point measuring pulses into the RGB signals during the vertical retrace period.

The following additional controls are used:

- **Black current calibration loop** Because of the 2-point black current stabilization circuit, both the black level and the amplitude of the RGB output signals depend on the drive characteristics of the picture tube. The system checks whether the returning measuring currents meet the requirements, and adapt the output level and gain of the circuit when necessary. After stabilization of the loop, the RGB drive signals are switched on. The 2-point black level system adapts the drive voltage for each cathode in such a way that the two measuring currents have the right value. This is done with the measurement pulses during the frame flyback. During the first frame, three pulses with a current of 8  $\mu\text{A}$  are generated to adjust the cut off voltage. During the second frame, three pulses with a current of 20  $\mu\text{A}$  are generated to adjust the 'white drive'. This has as a consequence, that a change in the gain of the output stage will be compensated by a gain change of the RGB control circuit. Pin 55 (BLKIN) of the UOC is used as the feedback input from the CRT base panel.
- **Blue stretch** This function increases the color temperature of the bright scenes (amplitudes which exceed a value of 80% of the nominal amplitude). This effect is obtained by decreasing the small signal gain of the red and green channel signals, which exceed this 80% level.
- **Beam current limiting** A beam current limiting circuit inside the UOC handles the contrast and brightness control for the RGB signals. This prevents the CRT from being overdriven, which could otherwise cause serious damage in the line output stage. The reference used for this purpose is the DC voltage on pin 54 (BLCIN) of the TV processor. Contrast and brightness reduction of the RGB output signals is therefore proportional to the voltage present on this pin. Contrast reduction starts when the voltage on pin 54 is lower than 2.8 V. Brightness reduction starts when the voltage on pin 54 is less than 1.7 V. The voltage on pin 54 is normally 3.3 V (limiter not active). During set switch-off, the black current control circuit generates a fixed beam current of 1 mA. This current ensures that the picture tube capacitance is discharged. During the switch-off period, the vertical deflection is placed in an over-scan position, so that the discharge is not visible on the screen.

## RGB amplifier

From outputs 56, 57 and 58 of IC 7200 the RGB signals are applied to the analog output amplifiers on the CRT panel. The R-signal is amplified by a circuit build around transistors Q7311, 7312 and 7313, which drives the picture tube cathodes. The supply voltage for the amplifier is +160 V and is derived from the line output stage.

## Synchronization

Inside IC 7200 part D the vertical and horizontal sync pulses are separated. These 'H' and 'V' signals are synchronised with the incoming CVBS signal. They are then fed to the H-and V-drive circuits and to the OSD/TXT circuit for synchronization of the On Screen Display and Teletext (CC) information.

## Deflection

### Horizontal drive

The horizontal drive signal is obtained from an internal VCO, which is running at twice the line frequency. This frequency is divided by two, to lock the first control loop to the incoming signal.

When the IC is switched 'on', the 'Hdrive' signal is suppressed until the frequency is correct.

The 'Hdrive' signal is available at pin 30. The 'Hflybk' signal is fed to pin 31 to phase lock the horizontal oscillator, so that Q7462 cannot switch 'on' during the flyback time.

The 'EWdrive' signal for the E/W circuit (if present) is available on pin 15, where it drives transistor 7400 to make linearity corrections in the horizontal drive.

When the set is switched on, the '+8V' voltage goes to pin 9 of IC 7200. The horizontal drive starts up in a soft start mode. It starts with a very short TON time of the horizontal output transistor. The TOFF of the transistor is identical to the time in normal operation. The starting frequency during switch on is therefore about 2 times higher than the normal value. The 'on' time is slowly increased to the nominal value in 1175 ms.

When the nominal value is reached, the PLL is closed in such a way that only very small phase corrections are necessary. The 'EHTinformation' line on pin 11 is intended to be used as a 'X-ray' protection. When this protection is activated (when the voltage exceeds 6 V), the horizontal drive (pin 30) is switched 'off' immediately. If the 'H-drive' is stopped, pin 11 will become low again. Now the horizontal drive is again switched on via the slow start procedure.

The 'EHTinformation' line (Aquadag) is also fed back to the UOC IC 7200 pin 54, to adjust the picture level in order to compensate for changes in the beam current.

The 'filament' voltage is monitored for 'no voltage' or 'excessive voltage'. This voltage is rectified by diode 6447 and fed to the emitter of transistor 7443. If this voltage goes above 6.8 V, transistor 7443 will conduct, making the 'EHT0' line 'high'. This will immediately switch off the horizontal drive (pin 30) via the slow stop procedure.

The horizontal drive signal exits IC 7200 at pin 30 and goes to 7462, the horizontal driver transistor. The signal is amplified and coupled to the base circuit of 7460, the horizontal output transistor. This will drive the line output transformer (LOT) and associated circuit. The LOT provides the extra high voltage (EHT), the VG2 voltage and the focus and filament voltages for the CRT, while the line output circuit drives the horizontal deflection coil.

## Vertical drive

A divider circuit performs the vertical synchronization. The vertical ramp generator needs an external resistor (R3245, pin 20) and capacitor (C2244, pin 21). A differential output is available at pins 16 and 17, which are DC-coupled with the vertical output stage. During the insertion of RGB signals, the maximum vertical frequency is increased to 72 Hz so that the circuit can also synchronize on signals with a higher vertical frequency like VGA.

To avoid damage of the picture tube when the vertical deflection fails, the guard output is fed to the beam current limiting input. When a failure is detected the RGB-outputs are blanked. When no vertical deflection output stage is connected this guard circuit will also blank the output signals.

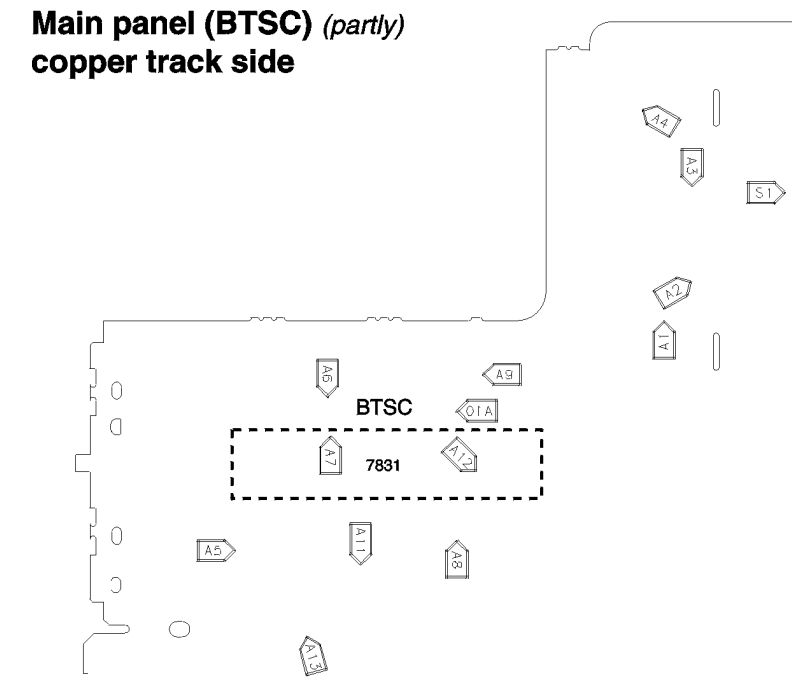
These 'V\_DRIVE+' and 'V\_DRIVE-' signals are applied to the input pins 7 and 1 of IC 7471 (vertical deflection amplifier). These are voltage driven differential inputs. As the driver device (IC 7200) delivers output currents, R3473 and R3475 convert them to voltage. The differential input voltage is compared with the voltage across measuring resistor R3471 that provides internal feedback information. The voltage across this measuring resistor is proportional to the output current, which is available at pin 5 where it drives the vertical deflection coil (connector 0222).

IC 7471 is supplied by +/-13 V. The vertical flyback voltage is generated at pin 3.

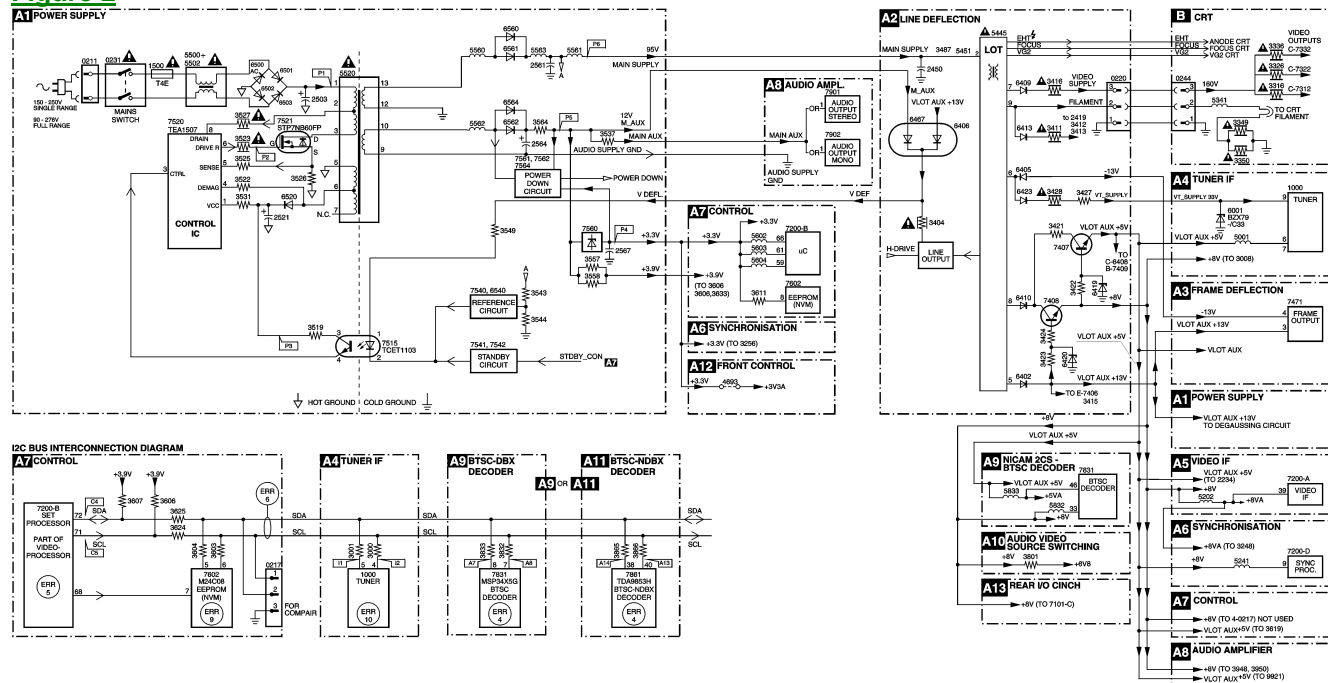
## Power Supply

### Figure 1

# **Main panel (BTSC) (partly) copper track side**



**Figure 2**



# Power Supply Introduction

The supply is a Switching Mode Power Supply (SMPS). The frequency of operation varies with the circuit load. This 'Quasi-Resonant Flyback' behavior has some important benefits compared to a 'hard switching' fixed frequency Flyback converter. The efficiency can be improved up to 90%, which results in lower power consumption. Moreover the supply runs cooler and safety is enhanced.

The power supply starts operating when a DC voltage goes from the rectifier bridge via T5520, R3532 to pin 8. The operating voltage for the driver circuit is also taken from the 'hot' side of this transformer.

The switching regulator IC 7520 starts switching the FET 'on' and 'off', to control the current flow through the primary winding of transformer 5520. The energy stored in the primary winding during the 'on' time is delivered to the secondary windings during the 'off' time.

The 'MainSupply' line is the reference voltage for the power supply. It is sampled by resistors 3543 and 3544 and fed to the input of the regulator 7540 / 6540. This regulator drives the feedback optocoupler 7515 to set the feedback control voltage on pin 3 of 7520.

The power supply in the set is 'on' any time AC power goes to the set.

## Derived Voltages

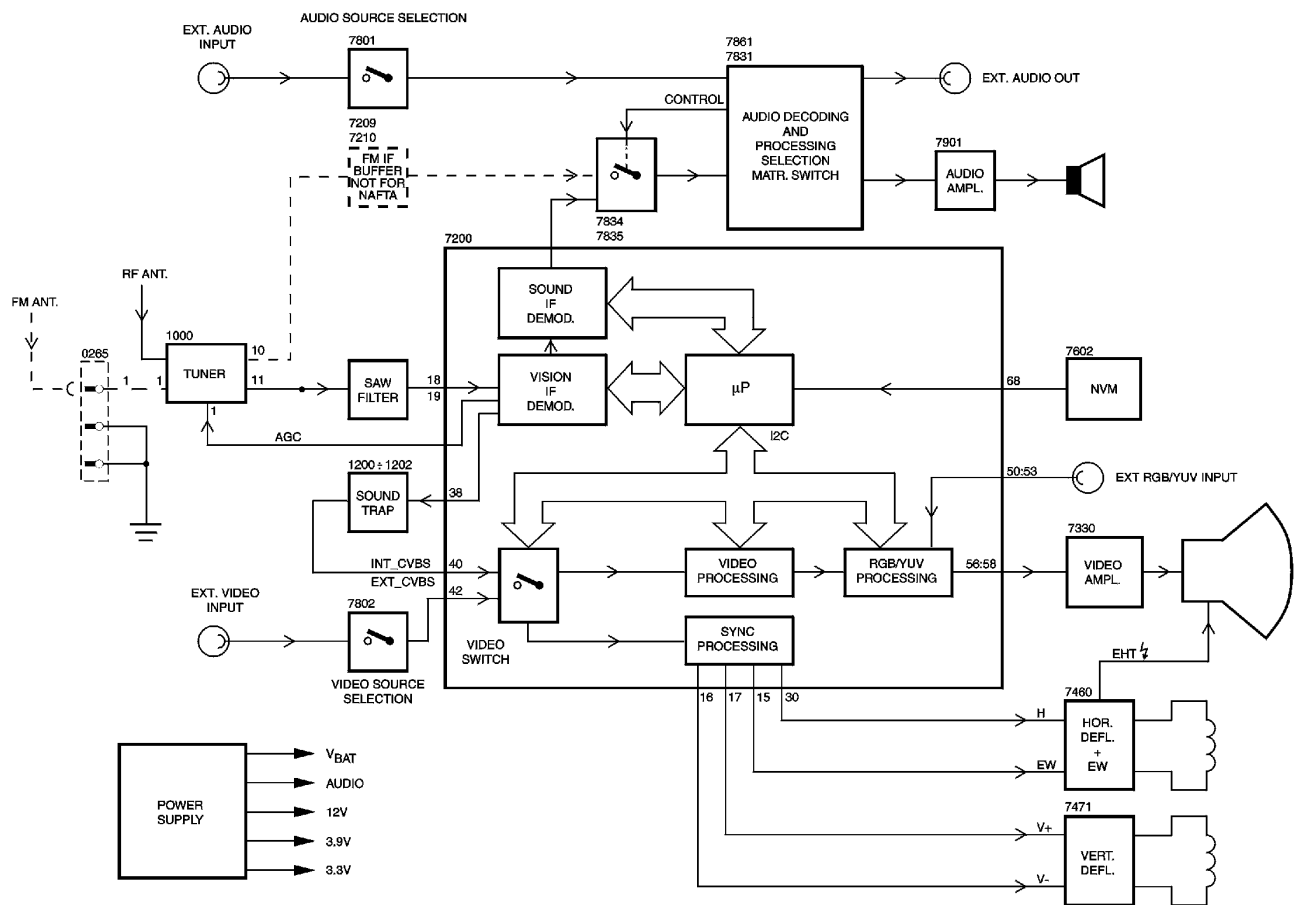
The voltages supplied by the secondary windings of T5520 are:

- 'MainAux' for the audio circuit (voltage depends on set execution, see table below),
- 3.3 V and 3.9 V for the microprocessor and
- 'MainSupply' for the horizontal output (voltage depends on set execution, see table below).

Other supply voltages are provided by the LOT. It supplies +50 V (only for large screen sets), +13 V, +8 V, +5 V and a +200 V source for the video drive. The secondary voltages of the LOT are monitored by the 'EHTinformation' lines. These lines are fed to the video processor part of the UOC IC 7200 on pins 11 and 34.

This circuit will shut 'off' the horizontal drive in case of over- voltage or excessive beam current.

Figure 3



| Power supply voltages    |              |                 |       |   |
|--------------------------|--------------|-----------------|-------|---|
| Screen Size              | Voltage name | Measuring point | Value | Remark  |
| 14", 16RF, 17", 20", 21" | MainSupply   | P6 (C2561)      | 95 V  |   |
|                          | MainAux      | P5 (C2564)      | 11 V  | Stereo 2x3 W and Mono 1x2 W, 3 W, 4 W                       |
|                          |              |                 | 10 V  | Stereo 2x1 W and Mono 1x1 W                                 |
| All others               | MainSupply   | P6 (C2561)      | 130 V | 21/25/29RF and 25/27/32/35V                                 |
|                          |              |                 | 143 V | 25/28/29SF, 25/28BLD, 25/28BLS, 28/32WS, 24/28BLDWS & BL9WS |
|                          | MainAux      | P5 (C2564)      | 12 V  | Stereo 2x1 W, 3 W, 6 W                                      |
|                          |              |                 | 10 V  | Mono 1x1 W  |

Degaussing

When the set is switched on, the degaussing relay 1515 is immediately activated as transistor 7580 is conducting. Due to the RC-time of R3580 and C2580, it will last about 3 to 4 seconds before transistor 7580 is switched off.

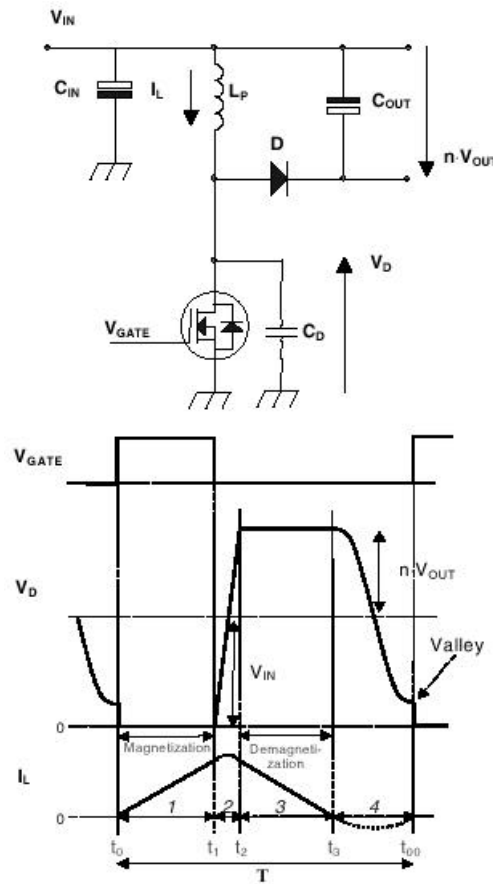
## Basic IC Functionality

For a clear understanding of the Quasi-Resonant behavior, it is possible to explain it by a simplified circuit diagram (see Figure below). In this circuit diagram, the secondary side is transferred to the primary side and the transformer is replaced by an inductance  $L_P$ .  $C_D$  is the total drain capacitance including the resonance capacitor  $C_R$ , parasitic output capacitor  $C_{OSS}$  of the MOSFET and the winding capacitance  $C_W$  of the transformer. The turns ratio of the transformer is represented by  $n$  ( $N_P/N_S$ ).

In the Quasi-Resonant mode each period can be divided into four different time intervals, in chronological order:

- **Interval 1:  $t_0 < t < t_1$  primary stroke** At the beginning of the first interval, the MOSFET is switched 'on' and energy is stored in the primary inductance (magnetization). At the end, the MOSFET is switched 'off' and the second interval starts.
- **Interval 2:  $t_1 < t < t_2$  commutation time** In the second interval, the drain voltage will rise from almost zero to  $V_{IN} + n \cdot (V_{OUT} + V_F)$ .  $V_F$  is the forward voltage drop of the diode that will be omitted from the equations from now on. The current will change its positive derivative, corresponding to  $V_{IN}/L_P$ , to a negative derivative, corresponding to  $-n \cdot V_{OUT}/L_P$ .
- **Interval 3:  $t_2 < t < t_3$  secondary stroke** In the third interval, the stored energy is transferred to the output, so the diode starts to conduct and the inductive current  $I_L$  will decrease. In other words, the transformer will be demagnetized. When the inductive current has become zero the next interval begins.
- **Interval 4:  $t_3 < t < t_0$  resonance time** In the fourth interval, the energy stored in the drain capacitor  $C_D$  will start to resonate with the inductance  $L_P$ . The voltage and current waveforms are sinusoidal waveforms. The drain voltage will drop from  $V_{IN} + n \cdot V_{OUT}$  to  $V_{IN} - n \cdot V_{OUT}$ .

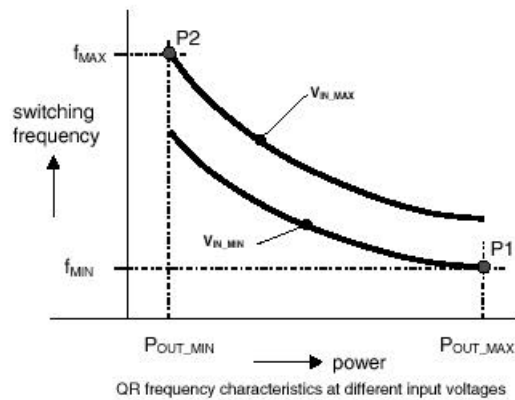




## Frequency Behavior

The frequency in the QR-mode is determined by the power stage and is not influenced by the controller (important parameters are  $L_P$  and  $C_D$ ). The frequency varies with the input voltage  $V_{IN}$  and the output power  $P_{OUT}$ . If the required output power increases, more energy has to be stored in the transformer. This leads to longer magnetizing  $t_{PRIM}$  and demagnetizing  $t_{SEC}$  times, which will decrease the frequency.

See the frequency versus output power characteristics below. The frequency characteristic is not only output power-, but also input voltage dependent. The higher the input voltage, the smaller  $t_{PRIM}$ , so the higher the frequency will be.



Point P1 is the minimum frequency  $f_{MIN}$  that occurs at the specified minimum input voltage and maximum output power required by the application. Of course the minimum frequency has to be chosen above the audible limit ( $>20$  kHz).

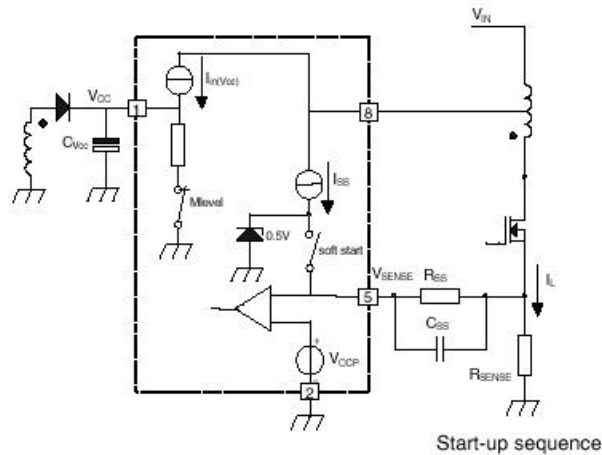
## Start-up Sequence

When the rectified AC voltage  $V_{IN}$  (via the center tap connected to pin 8) reaches the Mains dependent operation level (Mlevel: between 60 and 100 V), the internal 'Mlevel switch' will be opened and the start-up current source is enabled to charge capacitor C2521 at the VCC pin as shown below.

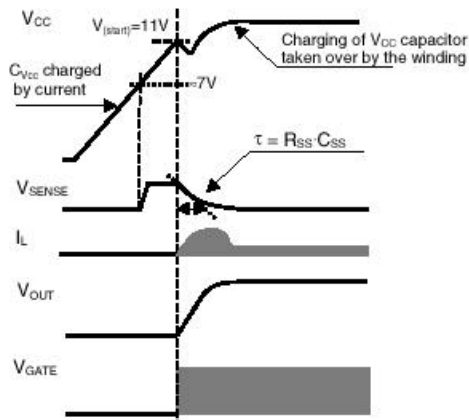
The 'soft start' switch is closed when the VCC reaches a level of 7 V and the 'soft start' capacitor CSS (C2522, between pin 5 and the sense resistor R3526), is charged to 0.5 V.

Once the VCC capacitor is charged to the start-up voltage VCC-start (11 V), the IC starts driving the MOSFET. Both internal current sources are switched 'off' after reaching this start-up voltage. Resistor RSS (3524) will discharge the 'soft start' capacitor, such that the peak current will slowly increase. This to prevent 'transformer rattle'.

During start-up, the VCC capacitor will be discharged until the moment that the primary auxiliary winding takes over this voltage.



Start-up sequence



The moment that the voltage on pin 1 drops below the 'under voltage lock out' level (UVLO = 7.9 V), the IC will stop switching and will enter a safe restart from the rectified mains voltage.

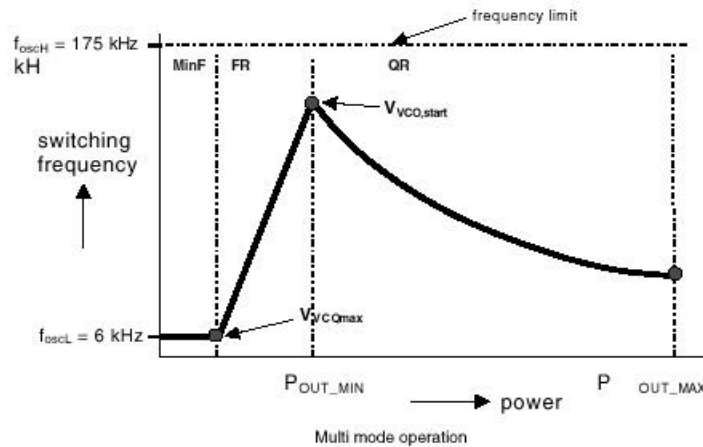
## Operation

The supply can run in three different modes depending on the output power:

- **Quasi-Resonant mode (QR)** The QR mode, described above, is used during normal operation. This will give a high efficiency.
- **Frequency Reduction mode (FR)** The FR mode (also called VCO mode) is implemented to decrease the switching losses at low output loads. In this way the efficiency at low output powers is increased, which enables power consumption smaller than 3 W during stand-by. The voltage at the pin 3 (Ctrl) determines where the frequency reduction starts. An external Ctrl voltage of 1.425 V corresponds with an internal VCO level of 75 mV. This fixed VCO level is called VVCO,start .

The frequency will be reduced in relation to the VCO voltage between 75 mV and 50 mV (at levels larger than 75 mV, Ctrl voltage < 1.425V, the oscillator will run on maximum frequency f<sub>oscH</sub> = 175 kHz typically). At 50 mV (VVCO,max) the frequency is reduced to the minimum level of 6 kHz. Valley switching is still active in this mode.

- **Minimum Frequency mode (MinF)** At VCO levels below 50 mV, the minimum frequency will remain on 6 kHz, which is called the MinF mode. Because of this low frequency, it is possible to run at very low loads without having any output regulation problems.



## Safe-Restart Mode

This mode is introduced to prevent the components from being destroyed during eventual system fault conditions. It is also used for the Burst mode. The Safe-Restart mode will be entered if it is triggered by one of the following functions:

- Over voltage protection,
- Short winding protection,
- Maximum 'on time' protection,
- VCC reaching UVLO level (fold back during overload),
- Detecting a pulse for Burst mode,
- Over temperature protection.

When entering the Safe-Restart mode, the output driver is immediately disabled and latched. The VCC winding will not charge the VCC capacitor anymore and the VCC voltage will drop until UVLO is reached. To recharge the VCC capacitor, the internal current source ( $I(\text{restart})(VCC)$ ) will be switched 'on' to initiate a new start-up sequence as described before. This Safe-Restart mode will persist until the controller detects no faults or burst triggers.

## Standby

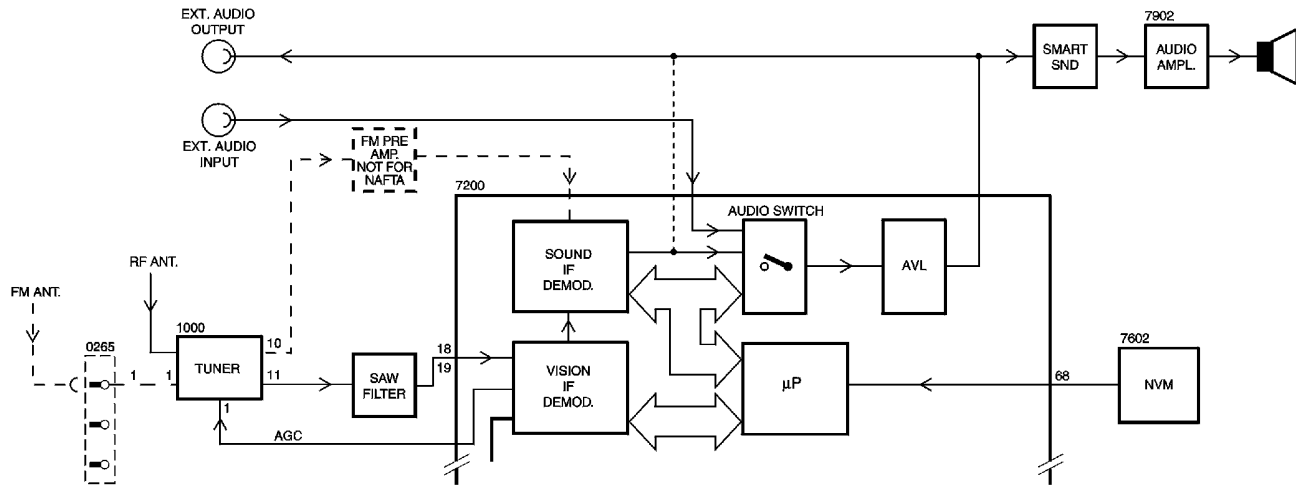
The set goes to Standby in the following cases:

- After pressing the 'standby' key on the remote control.
- When the set is in protection mode.

In Standby, the power supply works in 'burst mode'. Burst mode can be used to reduce the power consumption below 1 W at stand-by. During this mode, the controller is active (generating gate pulses) for only a short time and for a longer time inactive waiting for the next burst cycle.

In the active period the energy is transferred to the secondary and stored in the buffer capacitor CSTAB in front of the linear stabilizer (see Figure below). During the inactive period, the load (e.g. microprocessor) discharges this capacitor. In this mode, the controller makes use of the Safe-Restart mode.

### Basic Burst mode configuration



The system enters burst mode standby when the microprocessor activates the 'Stdbby\_con' line. When this line is pulled high, the base of Q7541 is allowed to go high. This is triggered by the current from collector Q7542. When Q7541 turns 'on', the opto-coupler (7515) is activated, sending a large current signal to pin 3 (Ctrl). In response to this signal, the IC stops switching and enters a 'hiccup' mode.

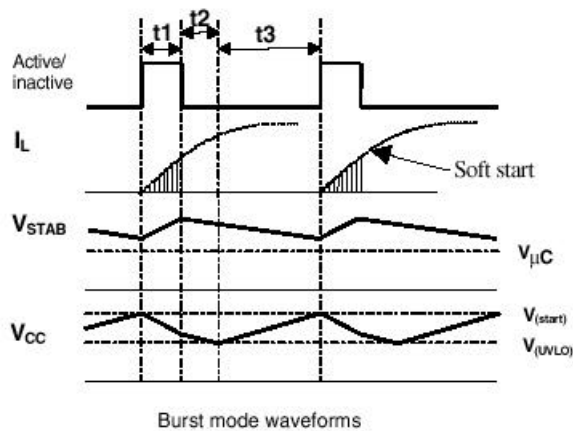
This burst activation signal should be present for longer than the 'burst blank' period (typically 30 ?s): the blanking time prevents false burst triggering due to spikes.

Burst mode standby operation continues until the microcontroller pulls the 'Stdbby\_con' signal low again. The base of Q7541 is unable to go high, thus cannot turn 'on'.

This will disable the burst mode. The system then enters the start-up sequence and begins normal switching behavior.

For a more detailed description of one burst cycle, three time intervals are defined:

- **t1: Discharge of VCC when gate drive is active** During the first interval, energy is transferred, which result in a ramp-up of the output voltage (VSTAB) in front of the stabilizer. When enough energy is stored in the capacitor, the IC will be switched 'off' by a current pulse generated at the secondary side. This pulse is transferred to the primary side via the opto coupler. The controller will disable the output driver (safe restart mode) when the current pulse reaches a threshold level of 16 mA into the Ctrl pin. A resistor R1 (R3519) is placed in series with the opto coupler, to limit the current going into the Ctrl pin. Meanwhile the VCC capacitor is discharged but has to stay above VUVLO .
- **t2: Discharge of VCC when gate drive is inactive** During the second interval, the VCC is discharged to VUVLO. The output voltage will decrease depending on the load.
- **t3: Charge of VCC when gate drive is inactive** The third interval starts when the UVLO is reached. The internal current source charges the VCC capacitor (also the soft start capacitor is recharged). Once the VCC capacitor is charged to the start-up voltage, the driver is activated and a new burst cycle is started.



## PS Protection Events

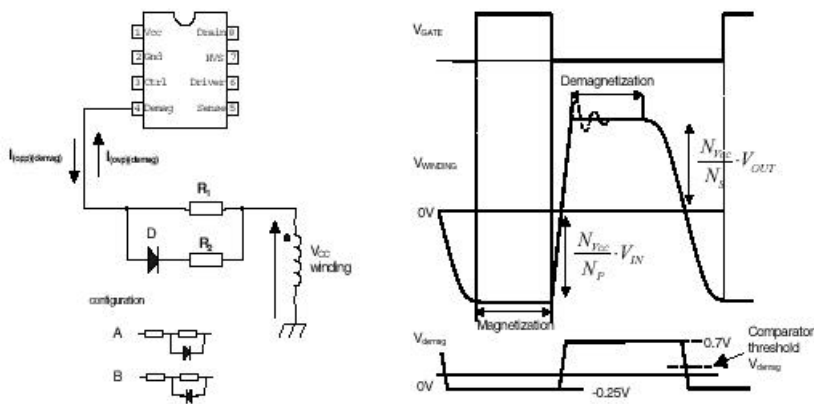
The SMPS IC 7520 has the following protection features:

### Demagnetization sense

This feature guarantees discontinuous conduction mode operation in every situation. The oscillator will not start a new primary stroke until the secondary stroke has ended. This is to ensure that FET 7521 will not turn on until the demagnetization of transformer 5520 is complete. The function is an additional protection feature against:

- saturation of the transformer,
- damage of the components during initial start-up,
- an overload of the output.

The demag(netization) sense is realized by an internal circuit that guards the voltage ( $V_{demag}$ ) at pin 4 that is connected to VCC winding by resistor R1 (R3522). The Figure below shows the circuit and the idealized waveforms across this winding.



### ***Over Voltage Protection***

The Over Voltage Protection ensures that the output voltage will remain below an adjustable level. This works by sensing the auxiliary voltage via the current flowing into pin 4 (DEM) during the secondary stroke. This voltage is a well-defined replica of the output voltage. Any voltage spikes are averaged by an internal filter.

If the output voltage exceeds the OVP trip level, the OVP circuit switches the power MOSFET 'off'.

Next, the controller waits until the 'under voltage lock out' level ( $UVLO = \pm 9\text{ V}$ ) is reached on pin 1 (VCC). This is followed by a safe restart cycle, after which switching starts again. This process is repeated as long as the OVP condition exists. The output voltage at which the OVP function trips, is set by the demagnetization resistor R3522.

### ***Over Current Protection***

The internal OCP protection circuit limits the 'sense' voltage on pin 5 to an internal level.

### ***Over Power Protection***

During the primary stroke, the rectified AC input voltage is measured by sensing the current drawn from pin 4 (DEM). This current is dependent on the voltage on pin 9 of transformer 5520 and the value of R3522. The current information is used to adjust the peak drain current, which is measured via pin ISENSE.

### ***Short Winding Protection***

If the 'sense' voltage on pin 5 exceeds the short winding protection voltage (0.75 V), the converter will stop switching. Once VCC drops below the UVLO level, capacitor C2521 will be recharged and the supply will start again. This cycle will be repeated until the short circuit is removed (safe restart mode). The short winding protection will also protect in case of a secondary diode short circuit. This protection circuit is activated after the leading edge blanking time (LEB).

### ***LEB time***

The LEB (Leading Edge Blanking) time is an internally fixed delay, preventing false triggering of the comparator due to current spikes. This delay determines the minimum 'on' time of the controller.

### ***Over Temperature protection***

When the junction temperature exceeds the thermal shutdown temperature (typ.  $140^{\circ}\text{C}$ ), the IC will disable the driver. When the VCC voltage drops to UVLO, the VCC capacitor will be recharged to the V(start) level. If the temperature is still too high, the VCC voltage will drop again to the UVLO level (Safe-Restart mode). This mode will persist until the junction temperature drops 8 degrees typically below the shutdown temperature.

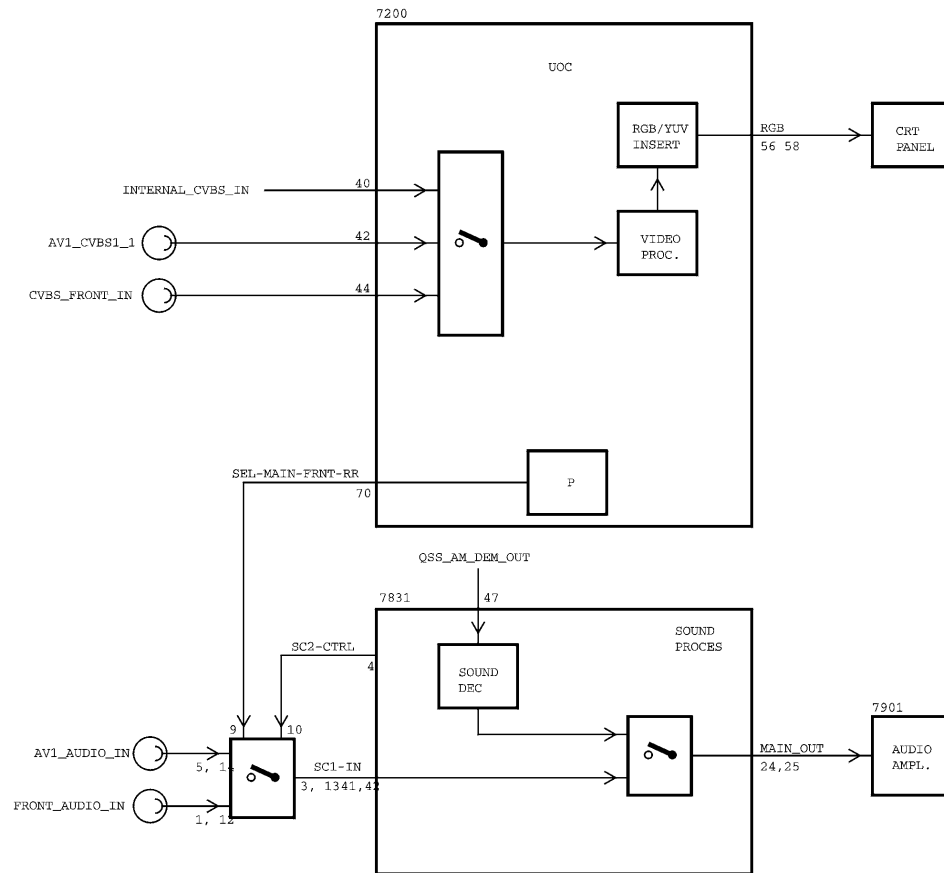
### ***Mains dependent operation enabling level***

To prevent the supply from starting at a low input voltage, which could cause audible noise, a mains detection is implemented (Mlevel). This detection is provided via pin 8, that detects the minimum start-up voltage between 60 and 100 V. As previously mentioned, the controller is enabled between 60 and 100 V.

An additional advantage of this function is the protection against a disconnected buffer capacitor (CIN). In this case, the supply will not be able to start-up because the VCC capacitor will not be charged to the start-up voltage.

# Control

## Control Diagram



# Introduction

The microprocessor part of the UOC, has the complete control and teletext on board. User menu, Service Default Mode, Service Alignment Mode and Customer Service Mode are generated by the  $\mu$ P. Communication to other ICs is done via the I<sup>2</sup>C-bus.



## I 2 C-Bus

The main control system, which consists of the microprocessor part of the UOC (7200), is linked to the external devices (tuner, NVM, MSP, etc) by means of the I 2 C- bus. An internal I 2 C-bus is used to control other signal processing functions, like video processing, sound IF, vision IF, synchronization, etc.

## User Interface

The L8/M8 uses a remote control with RC5 protocol. The incoming signal is connected to pin 67 of the UOC. The 'Top Control' keyboard, connected to UOC pin 80, can also control the set. Button recognition is done via a voltage divider. The front LED (6691) is connected to an output control line of the microprocessor (pin 5). It is activated to provide the user information about whether or not the set is working correctly (e.g., responding to the remote control, normal operation (USA only) or fault condition).

## In- And Output Selection

For the control of the input and output selections, there are three lines:

- **STATUS1** This signal provides information to the microprocessor on whether a video signal is available on the SCART1 AV input and output port (only for Europe). This signal is not connected in NAFTA sets.
- **STATUS2** This signal provides information to the microprocessor on whether a video signal is available on the SCART2 AV input and output port (only for Europe). For sets with an SVHS input it provides the additional information if a Y/C or CVBS source is present. The presence of an external Y/C source makes this line 'high' while a CVBS source makes the line 'low'.
- **SEL-MAIN-FRNT-RR** This is the source select control signal from the microprocessor. This control line is under user control or can be activated by the other two control lines.

# Power Supply Control

The microprocessor part is supplied with 3.3 V and 3.9 V both derived from the 'MainAux' voltage via a 3V3 stabilizer (7560) and a diode.

Two signals are used to control the power supply:

- **Stdbby\_con** This signal is generated by the microprocessor when over-current takes place at the 'MainAux' line. This is done to enable the power supply into standby burst mode, and to enable this mode during a protection. This signal is 'low' under normal operation conditions and goes to 'high' (3.3 V) under 'standby' and 'fault' conditions.
- **POWER\_DOWN** This signal is generated by the power supply. Under normal operating conditions this signal is 'high' (3.3 V). During 'standby' mode, this signal is a pulse train of approx. 10 Hz and a 'high' duration of 5 ms. It is used to give information to the UOC about the fault condition in the Audio amplifier supply circuit. This information is generated by sensing the current on the 'MainAux' line (using voltage drop across R3564 to trigger Q7562). This signal goes 'low' when the DC-current on the 'MainAux' line exceeds 1.6 - 2.0 A. It is also used to give an early warning to the UOC about a power failure. Then the information is used to mute the sound amplifier to prevent a switch off noise and to solve the switch-off spot.

## Protection Events

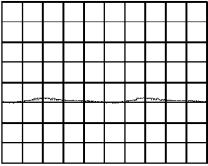
Several protection events are controlled by the UOC:

- **BC protection**, to protect the picture tube from a too high beam current. The UOC has the capability of measuring the normal back level current during the vertical flyback. So if for some reason the CRT circuit is malfunctioning (i.e. high beam current), the normal black current will be out of the 75  $\mu$ A range, and the UOC will trigger the power supply to shut down. However, this is a high beam-current situation, the TV screen will be bright white before the set is shut down.
- **I 2 C protection**, to check whether all I 2 C IC's are functioning.

In case one of these protections is activated, the set will go into 'standby'.

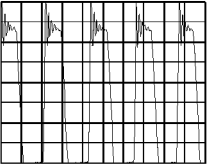
The 'on' and 'standby' LEDs are controlled via the UOC.

P1



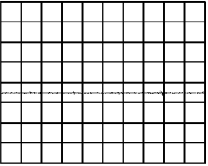
→ 50V / div DC  
2ms / div

P2



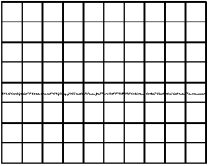
→ 50V / div DC  
5us / div

P3



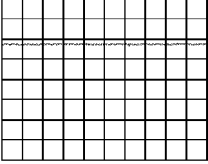
→ 5V / div DC  
5us / div

P4



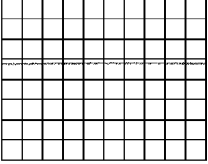
→ 1V / div DC  
5us / div

P5



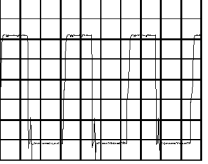
→ 2V / div DC  
5us / div

P6



→ 20V / div DC  
5us / div

L1



→ 500mV / div DC  
20us / div

L2



→ 1V / div DC  
20us / div

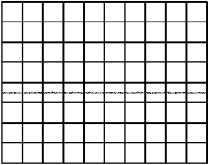
L4 = 12V4

L5 = 5V

L6 = 8V

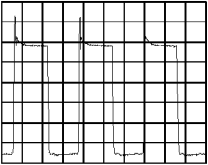
L7 = -13V

L8



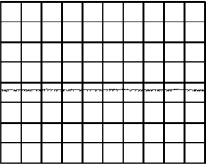
→ 10V / div DC  
20us / div

L9



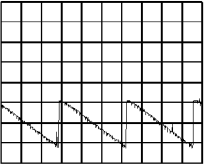
→ 2V / div DC  
20us / div

L10



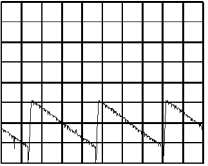
→ 50V / div DC  
20us / div

F1



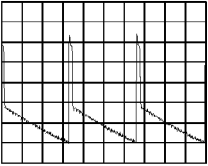
→ 500mV / div DC  
5ms / div

F2



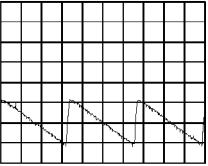
→ 500mV / div DC  
5ms / div

F3



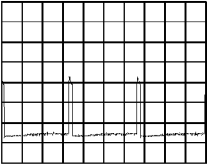
→ 10V / div DC  
5ms / div

F4



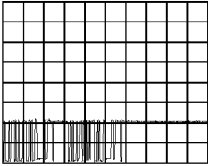
→ 1V / div DC  
5ms / div

F5



→ 10V / div DC  
5ms / div

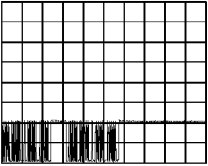
I1



→

2V / div DC  
200us / div

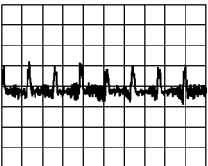
I2



→

2V / div DC  
200us / div

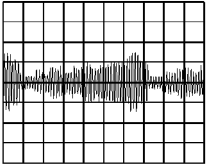
I3



→

20mV / div DC  
50us / div

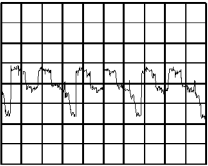
I4



→

200mV / div DC  
10us / div

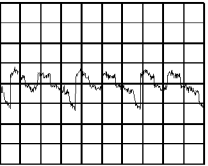
V1



→

20mV / div DC  
20us / div

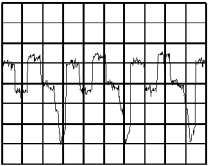
V2



→

20mV / div DC  
20us / div

V3

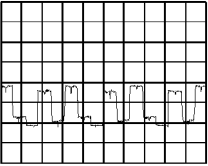


→

20mV / div DC  
20us / div

V4 = 0V

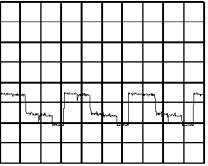
V5



→

1V / div DC  
20us / div

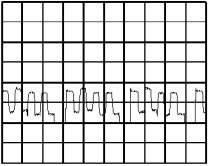
V6



→

1V / div DC  
20us / div

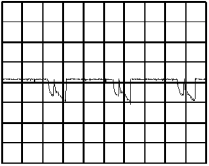
V7



→

1V / div DC  
20us / div

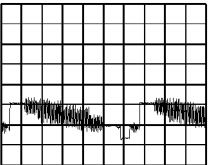
V8



→

2V / div DC  
20us / div

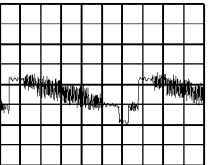
V9



→

500mV / div DC  
10us / div

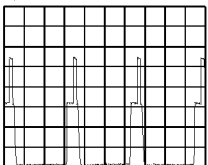
V10



→

1V / div DC  
10us / div

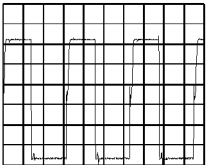
S1



→

1V / div DC  
20us / div

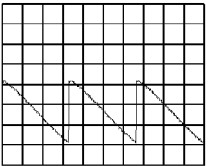
S2



→

500mV / div DC  
20us / div

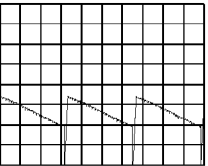
S3



→

500mV / div DC  
5ms / div

S4

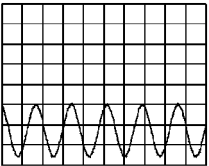


→

500mV / div DC  
5ms / div

S5 = 0V

C1

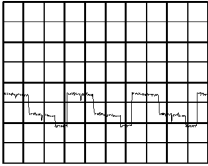


→

1V / div DC  
1ms / div



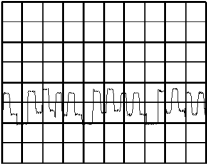
V12



→

1V / div DC  
20us / div

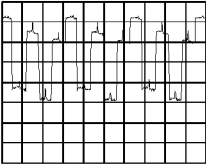
V13



→

1V / div DC  
20us / div

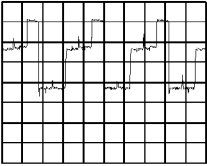
V14



→

20V / div DC  
20us / div

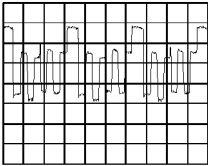
V15



→

20V / div DC  
20us / div

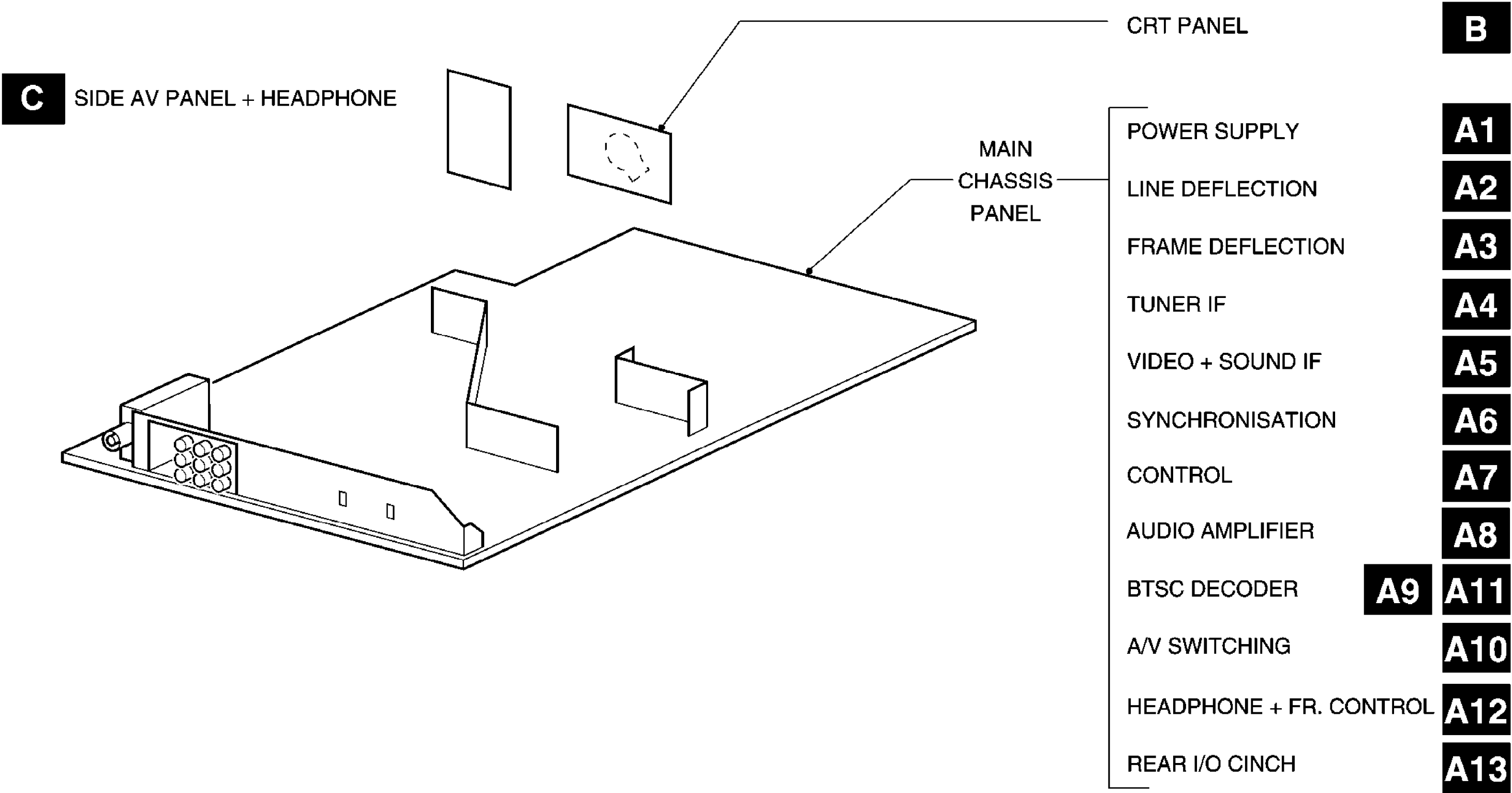
V16

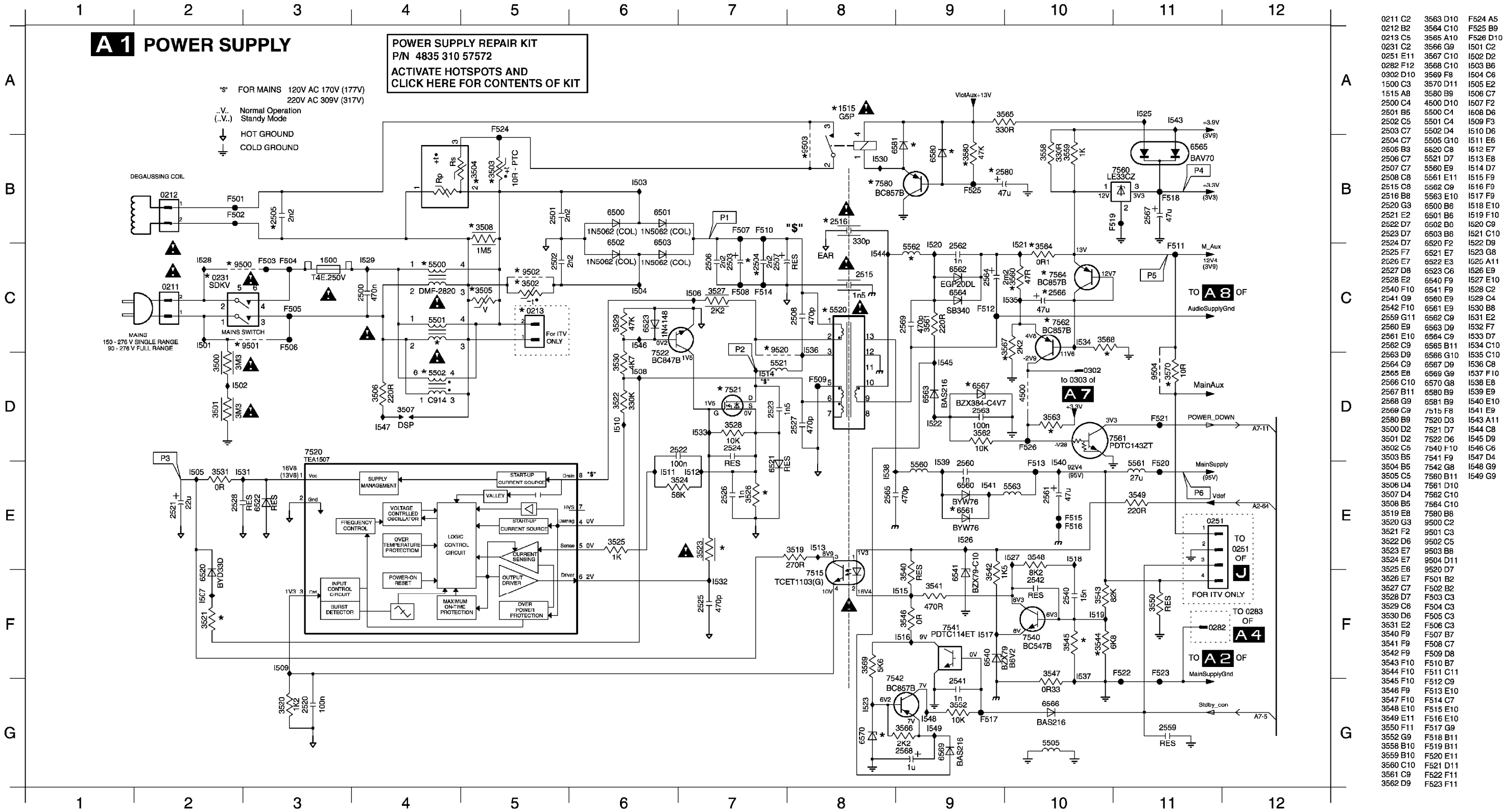


→

20V / div DC  
20us / div

# L8 Chassis, Manual 7602







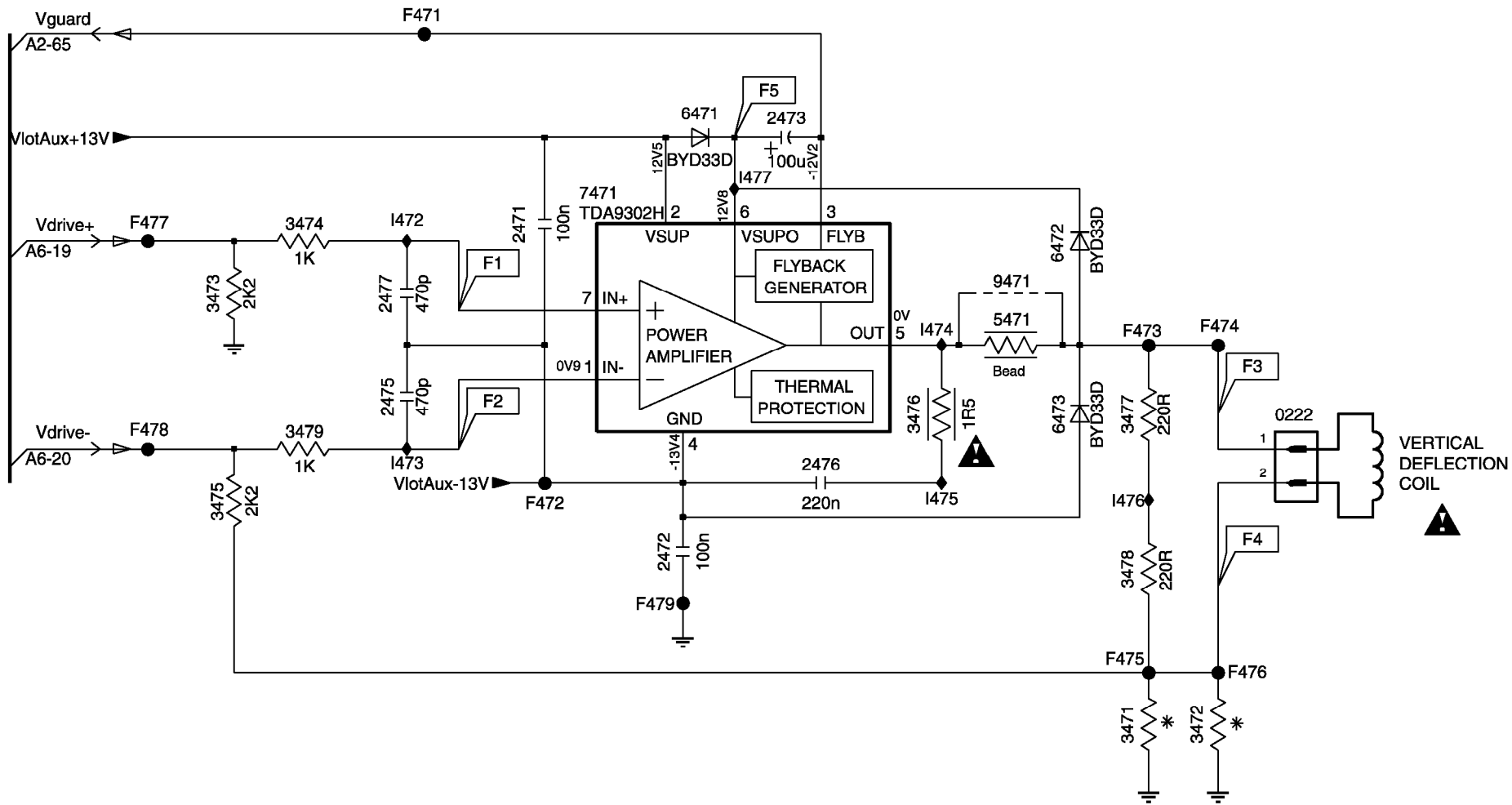
**HORIZONTAL REPAIR KIT**  
**P/N 4835 310 57574**  
**ACTIVATE HOT SPOTS AND**  
**CLICK HERE FOR CONTENTS OF KIT**



|          |          |
|----------|----------|
| 0220 F7  | 6417 B9  |
| 0221 B5  | 6419 E10 |
| 2400 F5  | 6420 E10 |
| 2401 A4  | 6423 F9  |
| 2402 B5  | 7401 E3  |
| 2403 E3  | 7402 D5  |
| 2404 B5  | 7403 D3  |
| 2405 D3  | 7404 D3  |
| 2406 E3  | 7405 A11 |
| 2407 D6  | 7406 B10 |
| 2408 B6  | 7407 D10 |
| 2409 C6  | 7408 E9  |
| 2410 D9  | 7409 B10 |
| 2411 D4  | 9401 F6  |
| 2412 C8  | 9402 E6  |
| 2413 A7  | 9403 B4  |
| 2414 E9  | 9404 C4  |
| 2415 D4  | 9405 B4  |
| 2416 D6  | 9408 B6  |
| 2417 F10 | F401 B5  |
| 2418 B11 | F402 B5  |
| 2419 B10 | F403 B5  |
| 2420 B9  | F404 B5  |
| 2421 B11 | F405 D5  |
| 2422 E11 | F406 D5  |
| 2423 F10 | F407 E5  |
| 2424 E6  | F408 E6  |
| 3401 C5  | F409 E3  |
| 3402 C4  | F410 B3  |
| 3403 B6  | F411 D11 |
| 3404 D3  | F412 F10 |
| 3405 C5  | F413 E11 |
| 3406 D3  | F414 C8  |
| 3407 B4  | F415 D9  |
| 3408 D2  | F416 D11 |
| 3410 B11 | F417 A10 |
| 3411 A9  | F418 B11 |
| 3412 A10 | F419 D10 |
| 3413 A9  | I401 B5  |
| 3414 A10 | I402 B4  |
| 3415 A11 | I403 D4  |
| 3416 A8  | I404 D3  |
| 3417 B11 | I405 B4  |
| 3418 B8  | I406 C4  |
| 3419 B9  | I407 F5  |
| 3420 B10 | I408 C4  |
| 3421 D10 | I411 D9  |
| 3422 E10 | I412 B10 |
| 3423 E10 | I413 A9  |
| 3424 E10 | I414 C9  |
| 3425 C10 | I415 F9  |
| 3426 B11 | I424 B6  |
| 3427 F10 | I425 B6  |
| 3428 F10 | I430 C9  |
| 3429 F5  | I431 A8  |
| 3430 F5  | I432 B7  |
| 3431 C10 | I433 B7  |
| 3432 D5  | I434 B7  |
| 5401 C4  | I435 B11 |
| 5403 B4  | I440 D9  |
| 5406 C4  | I444 D3  |
| 5408 B6  | I445 D3  |
| 5410 F6  | I446 D3  |
| 5444 D4  | I447 D7  |
| 5445 B7  | I448 D2  |
| 6401 B4  | I449 A9  |
| 6402 D9  | I450 B9  |
| 6403 B4  | I451 F9  |
| 6404 D6  | I452 A10 |
| 6405 F9  | I453 A11 |
| 6406 C2  | I454 B10 |
| 6407 D2  | I455 E10 |
| 6408 F4  | I456 F9  |
| 6409 B7  | I457 E10 |
| 6410 D9  | I459 F10 |
| 6412 E6  |          |
| 6413 A9  |          |
| 6414 A11 |          |
| 6415 B9  |          |
| 6416 F4  |          |

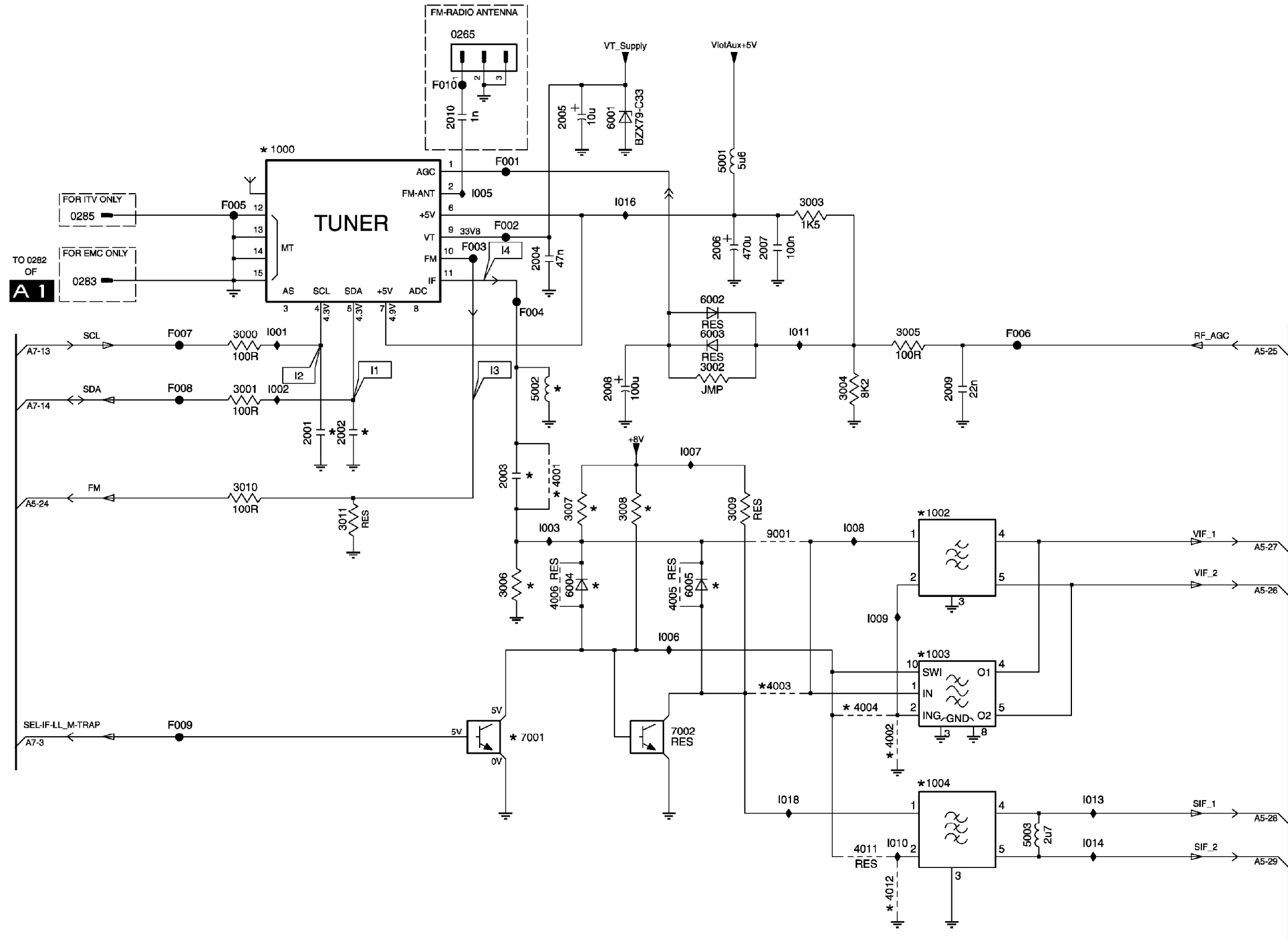
**A 3** FRAME DEFLECTION

VERTICAL REPAIR KIT  
P/N 4835 310 57573  
ACTIVATE HOT SPOTS AND  
CLICK HERE FOR CONTENTS OF KIT

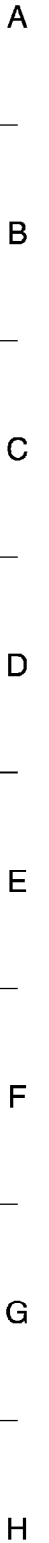


- 0222 D8
- 2471 C5
- 2472 E6
- 2473 C6
- 2475 D4
- 2476 D6
- 2477 D4
- 3471 F7
- 3472 F8
- 3473 D4
- 3474 C4
- 3475 E4
- 3476 D7
- 3477 D7
- 3478 E7
- 3479 D4
- 5471 D7
- 6471 C6
- 6472 D7
- 6473 D7
- 7471 C5
- 9471 D7
- F471 C5
- F472 E5
- F473 D8
- F474 D8
- F475 E7
- F476 E8
- F477 C3
- F478 D3
- F479 E6
- I472 C4
- I473 D4
- I474 D7
- I475 E7
- I476 E7
- I477 C6

0265 A5  
0283 C3  
0285 B3  
1000 B4  
1002 D8  
1003 E8  
1004 F8  
2001 D4  
2002 D5  
2003 D6  
2004 B6  
2005 B6  
2006 B7  
2007 B7  
2008 C6  
2009 C9  
2010 B5  
3000 C4  
3001 C4  
3002 C7  
3003 B8  
3004 C8  
3005 C8  
3006 E6  
3007 D6  
3008 D6  
3009 D7  
3010 D4  
3011 D5  
4001 D6  
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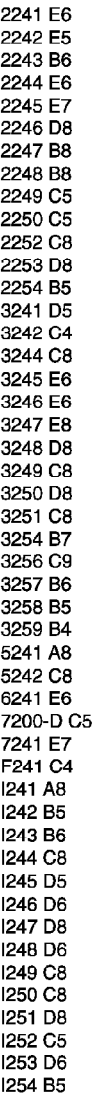


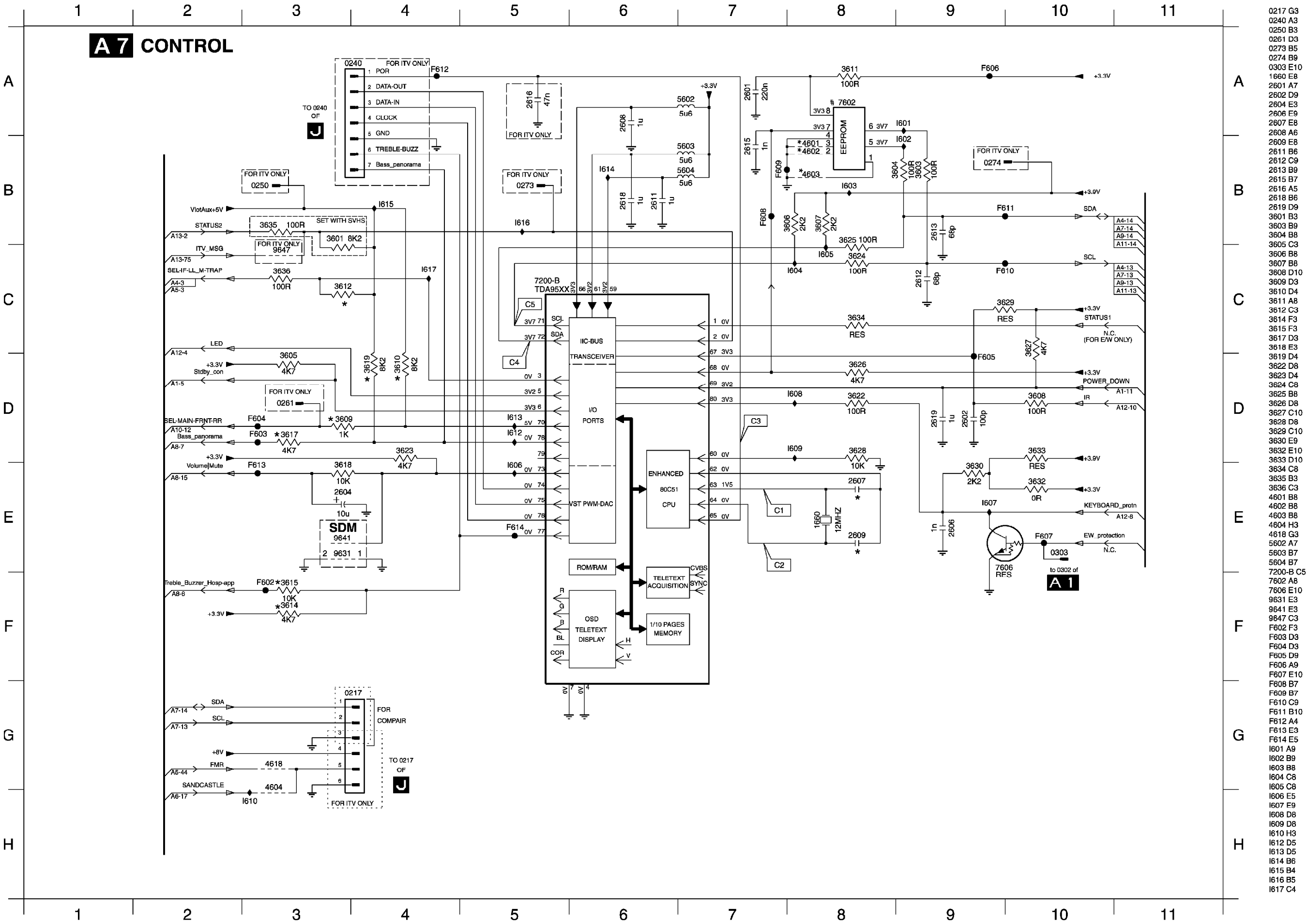
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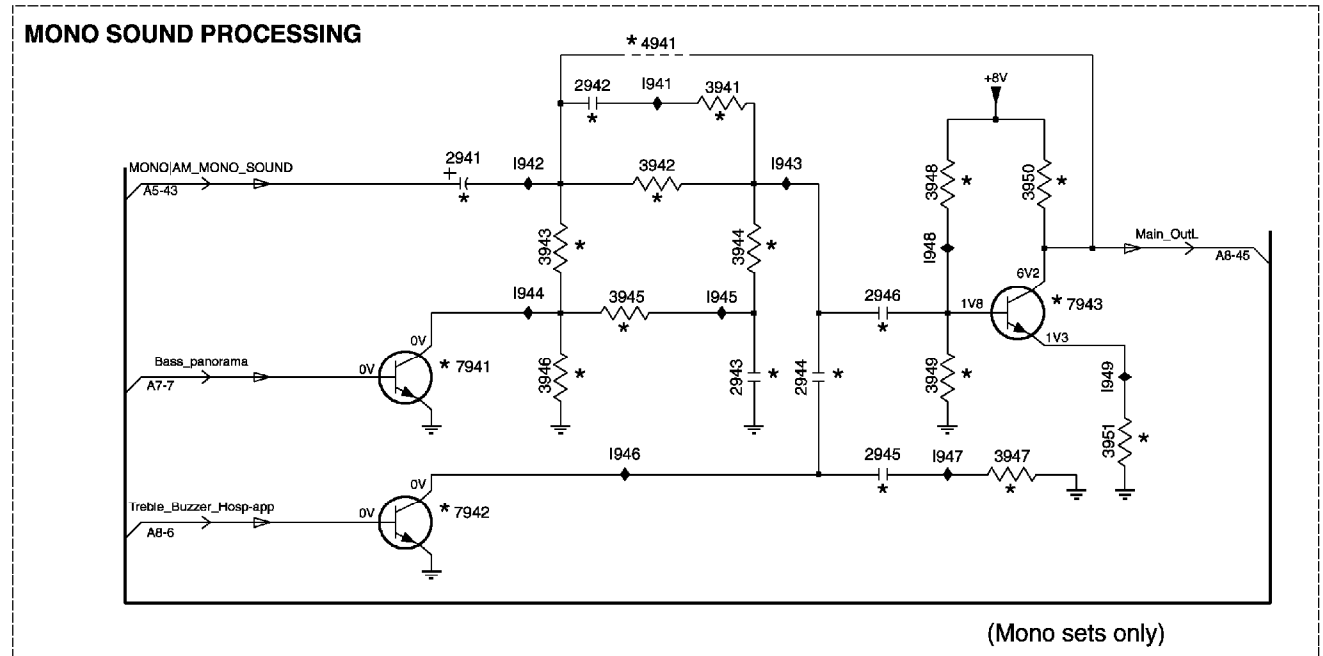
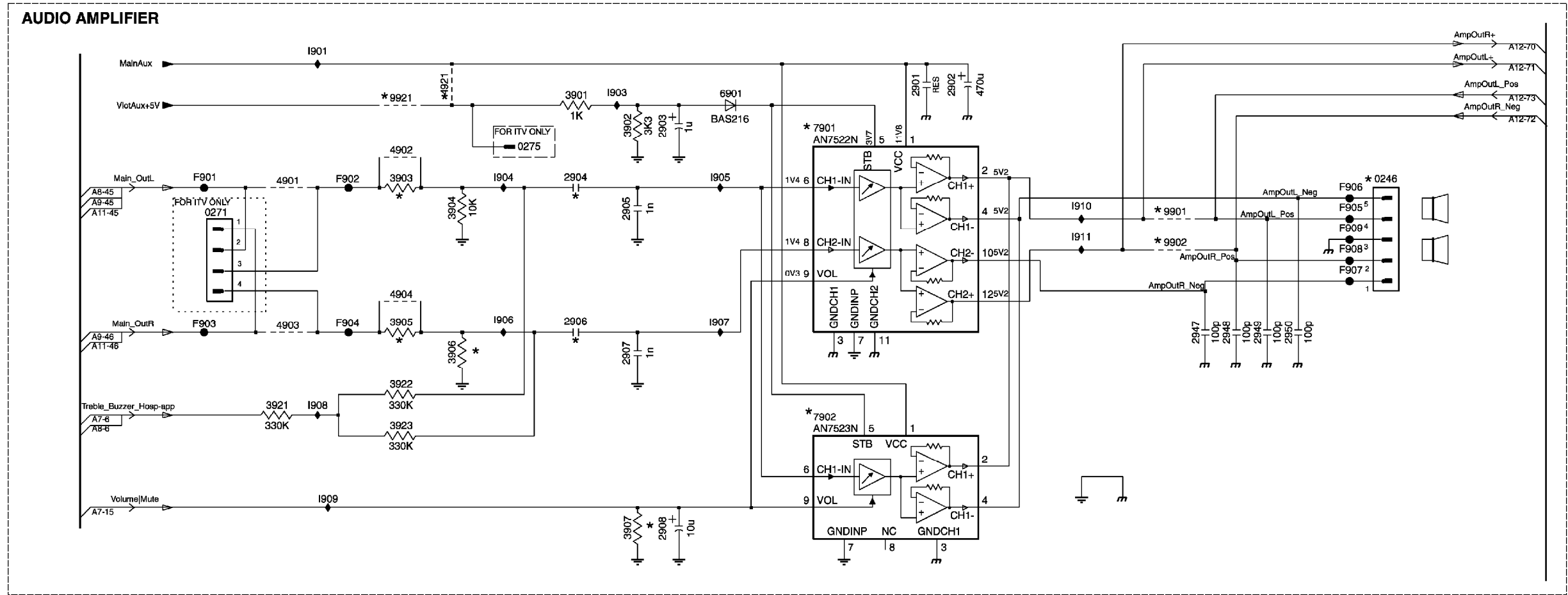
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## F

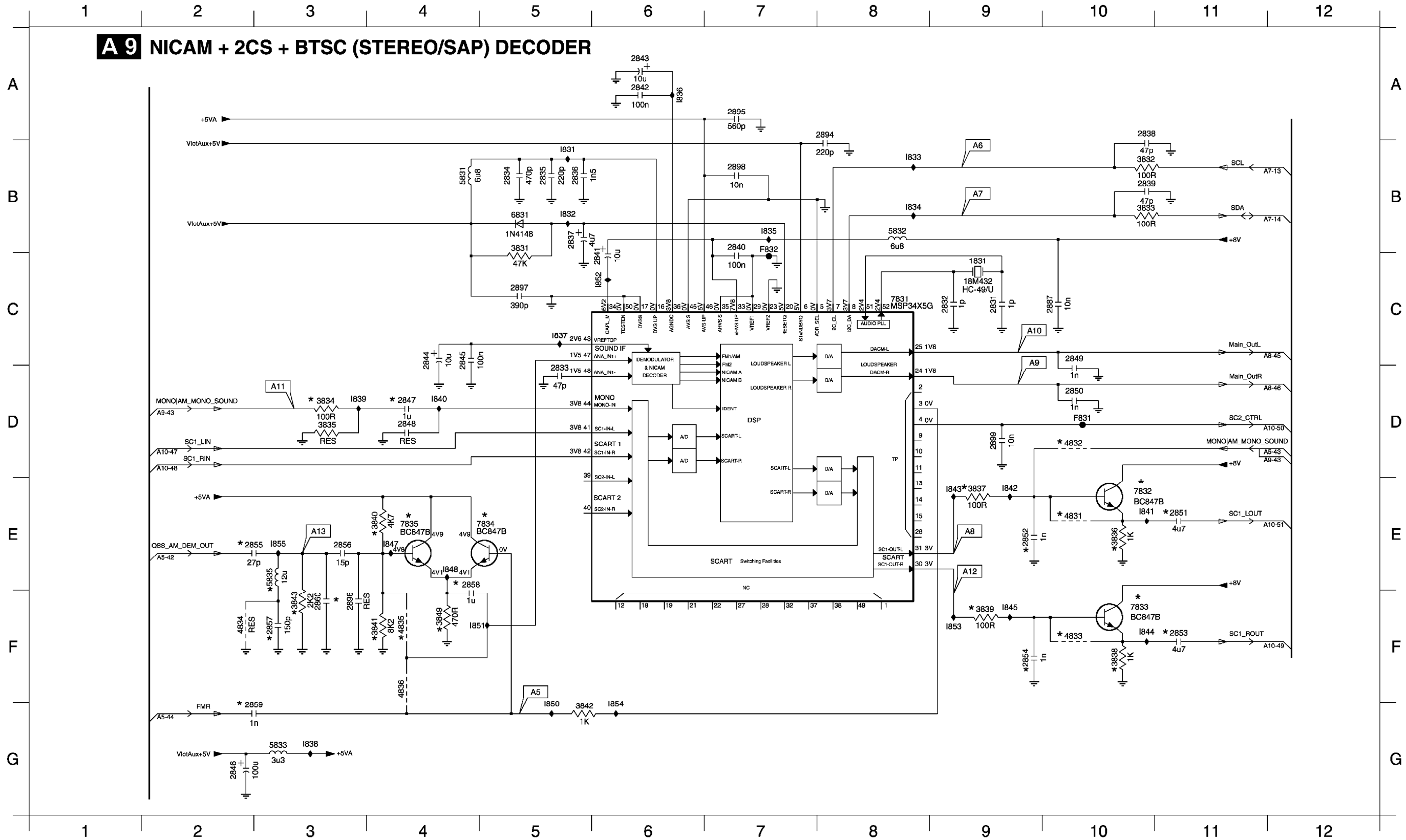




**A 8 AUDIO AMPLIFIER + MONO SOUND PROCESSING**

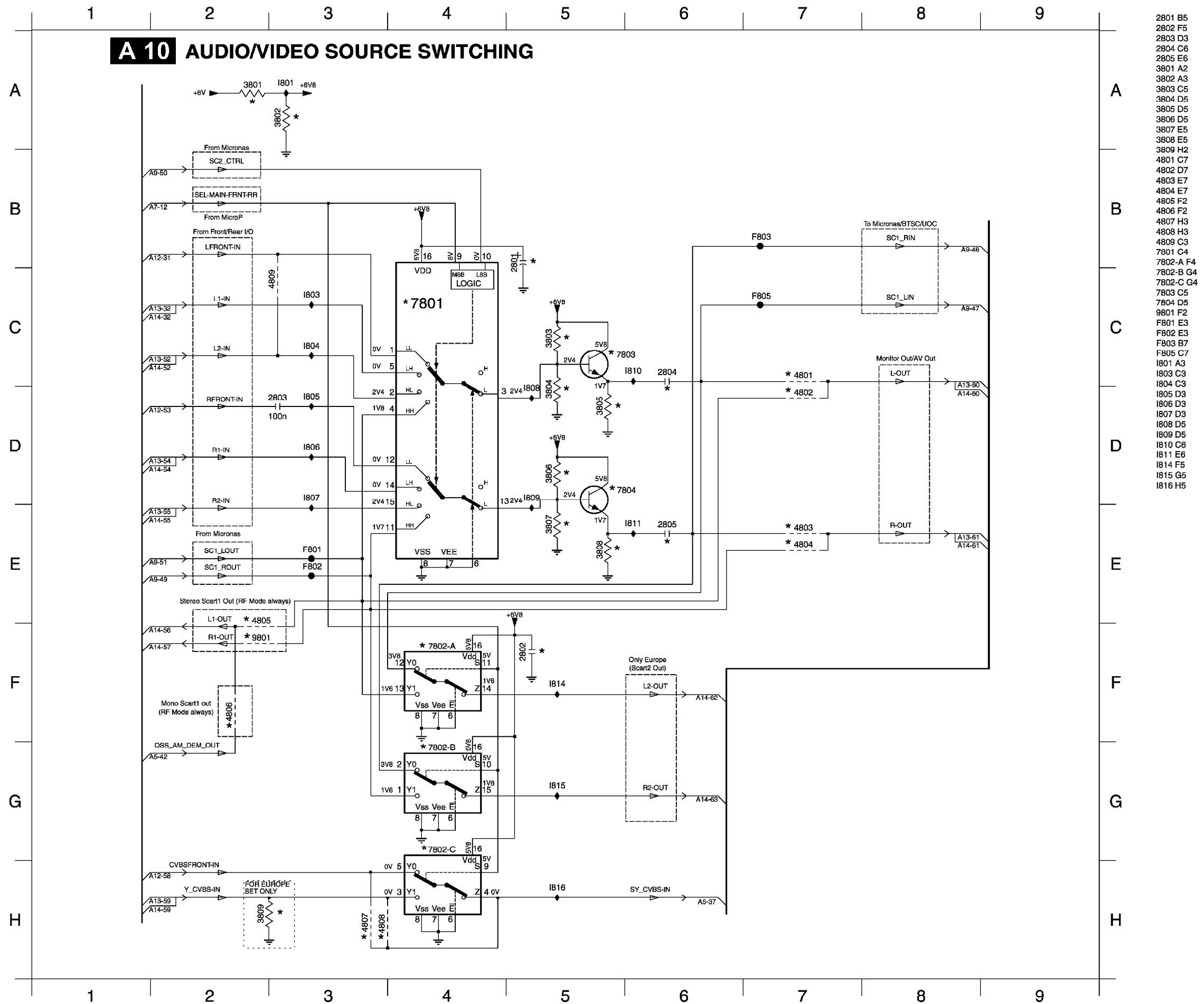


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- 3906 C4
- 3907 E6
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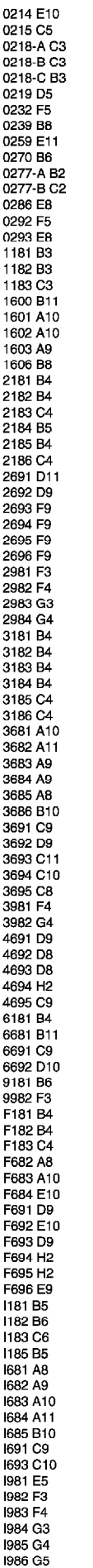
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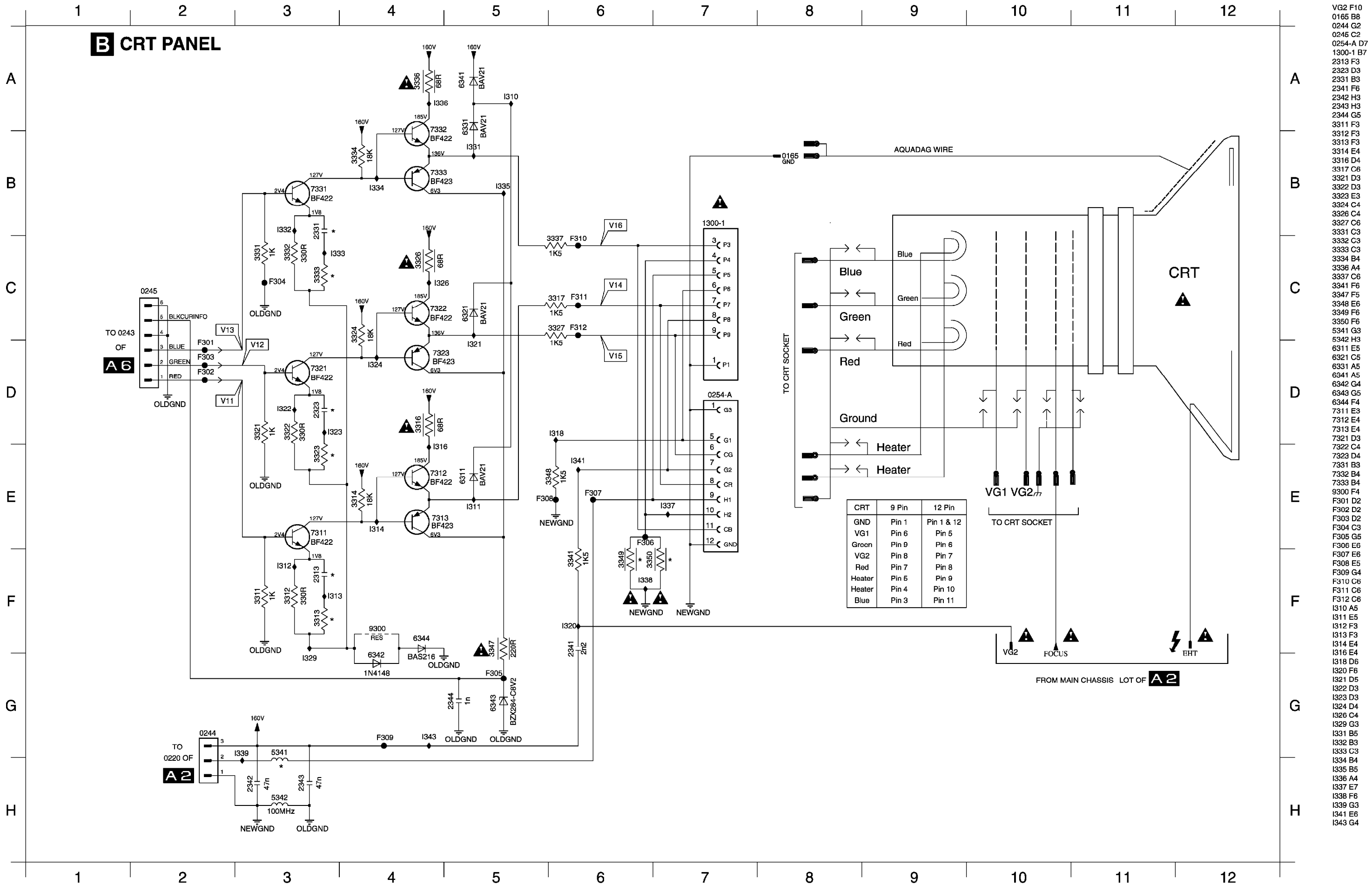


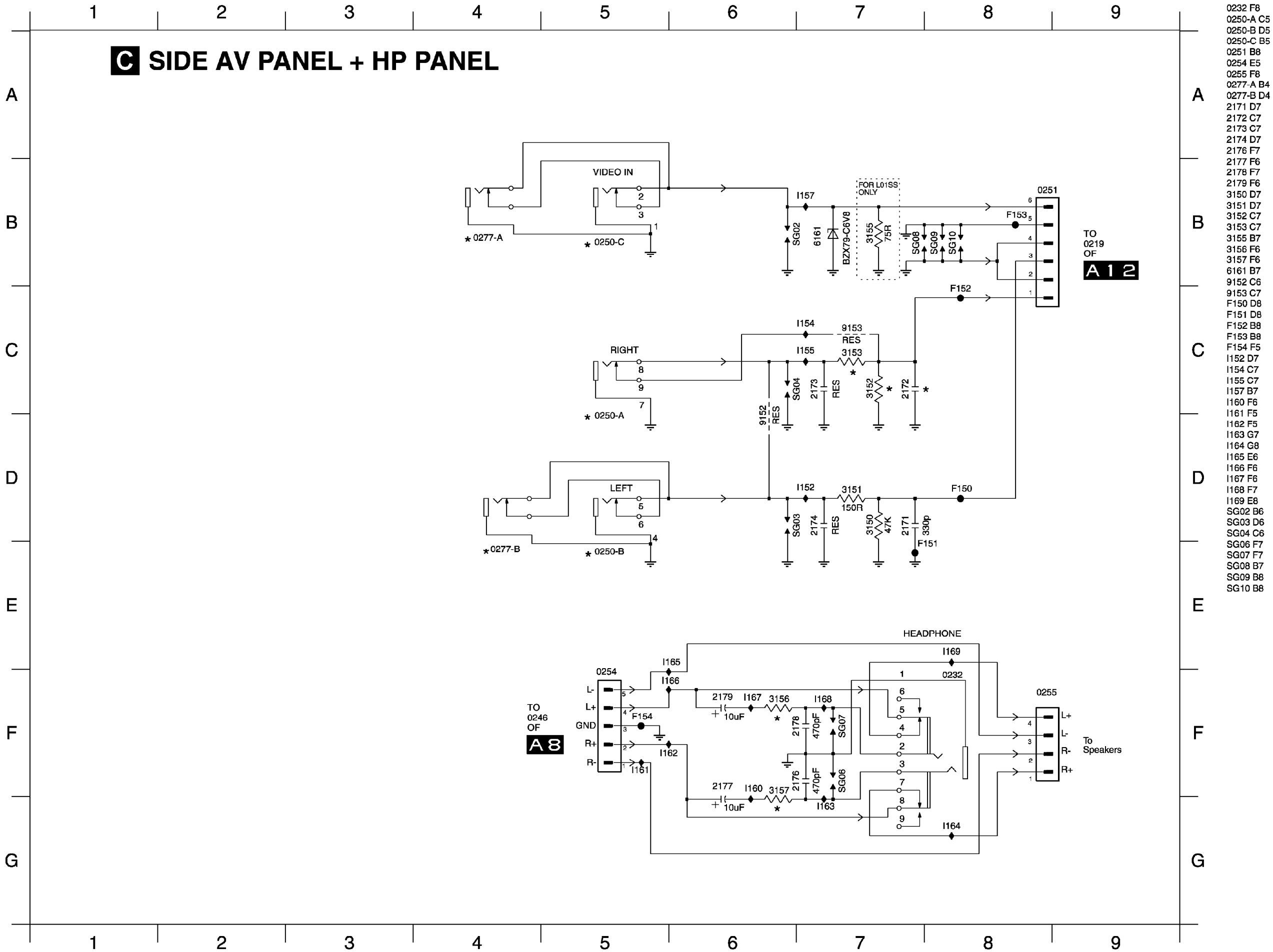
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## H



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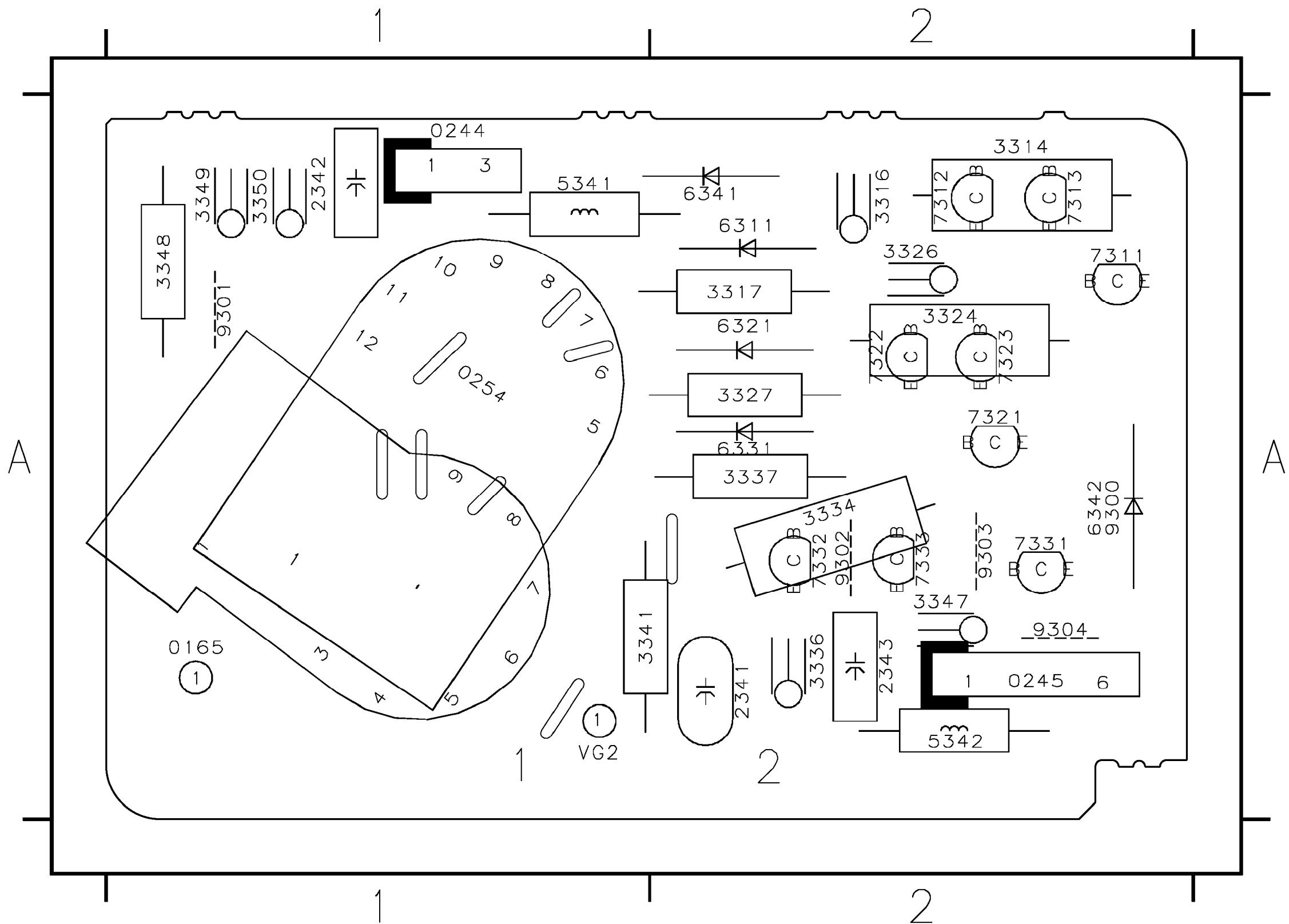




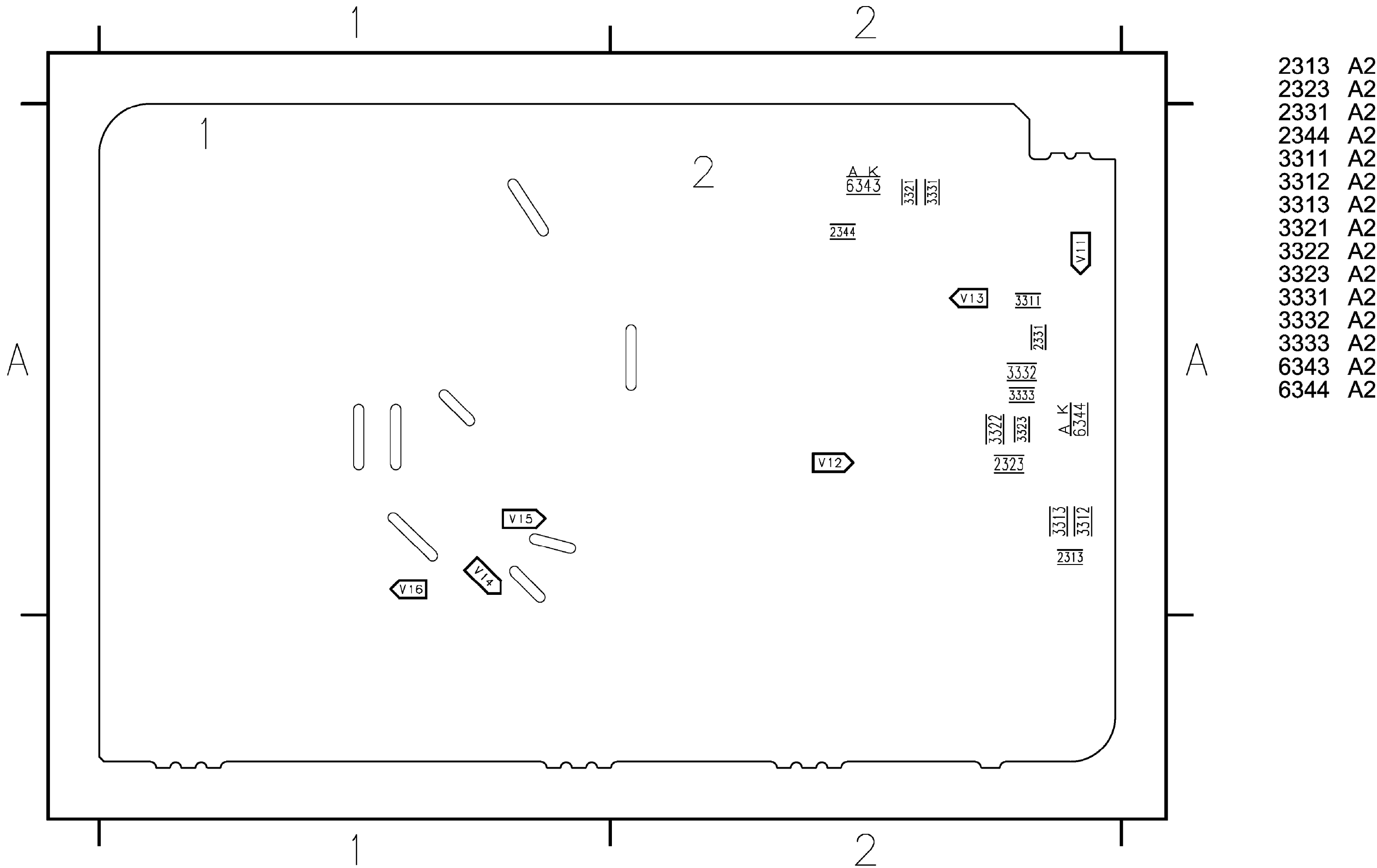
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| 2501 | B2 | 5445 | A6 | 9686 | D5 |
| 2502 | B2 | 5445 | A6 | 9686 | D5 |
| 2503 | A3 | 5500 | B2 | 9666 | C5 |
| 2504 | A3 | 5500 | B2 | 9666 | C5 |
| 2505 | B2 | 5502 | B2 | 9668 | C5 |
| 2506 | B3 | 5506 | A4 | 9670 | C3 |
| 2507 | B3 | 5506 | A4 | 9670 | C3 |
| 2508 | A3 | 5521 | A3 | 9673 | C3 |
| 2515 | A4 | 5590 | A4 | 9674 | C4 |
| 2516 | B3 | 5590 | A4 | 9674 | C4 |
| 2521 | B3 | 5592 | B4 | 9676 | C4 |
| 2522 | B3 | 5592 | B4 | 9676 | C4 |
| 2560 | A4 | 5602 | D5 | 9680 | D3 |
| 2581 | A4 | 5603 | D4 | 9680 | D3 |
| 2582 | A4 | 5603 | D4 | 9680 | D3 |
| 2563 | A4 | 5831 | D2 | 9683 | D3 |
| 2564 | A4 | 5831 | D2 | 9683 | D3 |
| 2565 | A4 | 6001 | E9 | 9686 | D5 |
| 2566 | A4 | 6001 | E9 | 9686 | D5 |
| 2584 | C4 | 6402 | B5 | 9688 | D4 |
| 2588 | A4 | 6402 | B5 | 9688 | D4 |
| 2580 | C3 | 6403 | A5 | 9689 | D5 |
| 2581 | C3 | 6403 | A5 | 9689 | D5 |
| 2582 | C3 | 6403 | A5 | 9689 | D5 |
| 2583 | C2 | 6412 | B5 | 9693 | C3 |
| 2584 | C2 | 6412 | B5 | 9693 | C3 |
| 2586 | C1 | 6412 | B5 | 9694 | C3 |
| 2588 | C1 | 6412 | B5 | 9696 | E6 |
| 2844 | C1 | 6419 | C5 | 9687 | D5 |
| 2846 | C1 | 6419 | C5 | 9687 | D5 |
| 2858 | C2 | 6423 | C5 | 9687 | D5 |
| 2902 | D3 | 6423 | C5 | 9687 | D5 |
| 2903 | D3 | 6423 | C5 | 9687 | D5 |
| 2908 | E3 | 6472 | C8 | 9611 | C3 |
| 2941 | E3 | 6473 | C8 | 9612 | C3 |
| 3000 | E6 | 6502 | B3 | 9617 | D3 |
| 3001 | E6 | 6502 | B3 | 9617 | D3 |
| 3005 | E4 | 6523 | B3 | 9616 | C3 |
| 3111 | C6 | 6562 | A4 | 9620 | C3 |
| 3103 | D6 | 6523 | B3 | 9620 | C3 |
| 3105 | D6 | 6540 | B4 | 9621 | C2 |
| 3110 | D6 | 6560 | A4 | 9623 | C3 |
| 3112 | D6 | 6560 | A4 | 9623 | C3 |
| 3113 | D6 | 6562 | A4 | 9624 | C3 |
| 3114 | D6 | 6562 | A4 | 9624 | C3 |
| 3116 | D6 | 6584 | B4 | 9627 | D2 |
| 3122 | D6 | 6582 | B1 | 9630 | D2 |
| 3123 | D6 | 7402 | B3 | 9613 | D2 |
| 3126 | C6 | 7402 | A5 | 9633 | D2 |
| 3131 | C6 | 7402 | A5 | 9633 | D2 |
| 3133 | D6 | 7404 | C5 | 9602 | C3 |
| 3135 | D6 | 7407 | C6 | 9611 | C3 |
| 3136 | C6 | 7515 | B4 | 9613 | C3 |
| 3141 | C6 | 7521 | A3 | 9615 | C3 |
| 3181 | B1 | 7521 | A3 | 9615 | C3 |
| 3182 | B1 | 7521 | A3 | 9615 | C3 |
| 3183 | C1 | 7560 | C4 | 9626 | D3 |
| 3185 | C1 | 7602 | D5 | 9662 | B1 |
| 3186 | C1 | 7632 | D5 | 9662 | B1 |
| 3201 | D4 | 9001 | D3 | 9693 | E6 |
| 3202 | D4 | 9001 | D3 | 9693 | E6 |
| 3203 | D4 | 9001 | E5 | 9696 | E5 |
| 3204 | D4 | 9101 | E6 | 9696 | E5 |
| 3207 | E7 | 9122 | C6 | 9696 | E4 |
| 3210 | E4 | 9103 | D6 |      |    |
| 3211 | E4 | 9111 | D6 |      |    |
| 3213 | E4 | 9112 | D6 |      |    |
| 3216 | E3 | 9112 | D6 |      |    |
| 3218 | E3 | 9112 | D6 |      |    |
| 3221 | E3 | 9122 | C6 |      |    |

|      |    |
|------|----|
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| 2003 | A5 |
| 2004 | A6 |
| 2007 | A6 |
| 2010 | A6 |
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| 2103 | B6 |
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| 2108 | B7 |
| 2110 | B6 |
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| 2122 | C6 |
| 2123 | C6 |
| 2124 | C6 |
| 2125 | D7 |
| 2126 | D7 |
| 2128 | B6 |
| 2133 | C6 |
| 2135 | C6 |
| 2138 | C6 |
| 2137 | C7 |
| 2138 | B6 |
| 2140 | B6 |
| 2181 | C1 |
| 2184 | C1 |
| 2186 | C1 |
| 2186 | C1 |
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| 2245 | A5 |
| 2246 | A5 |
| 2247 | A4 |
| 2248 | C4 |
| 2249 | C4 |
| 2248 | C6 |
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| 2393 | D3 |
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| 2399 | D3 |
| 2400 | D3 |





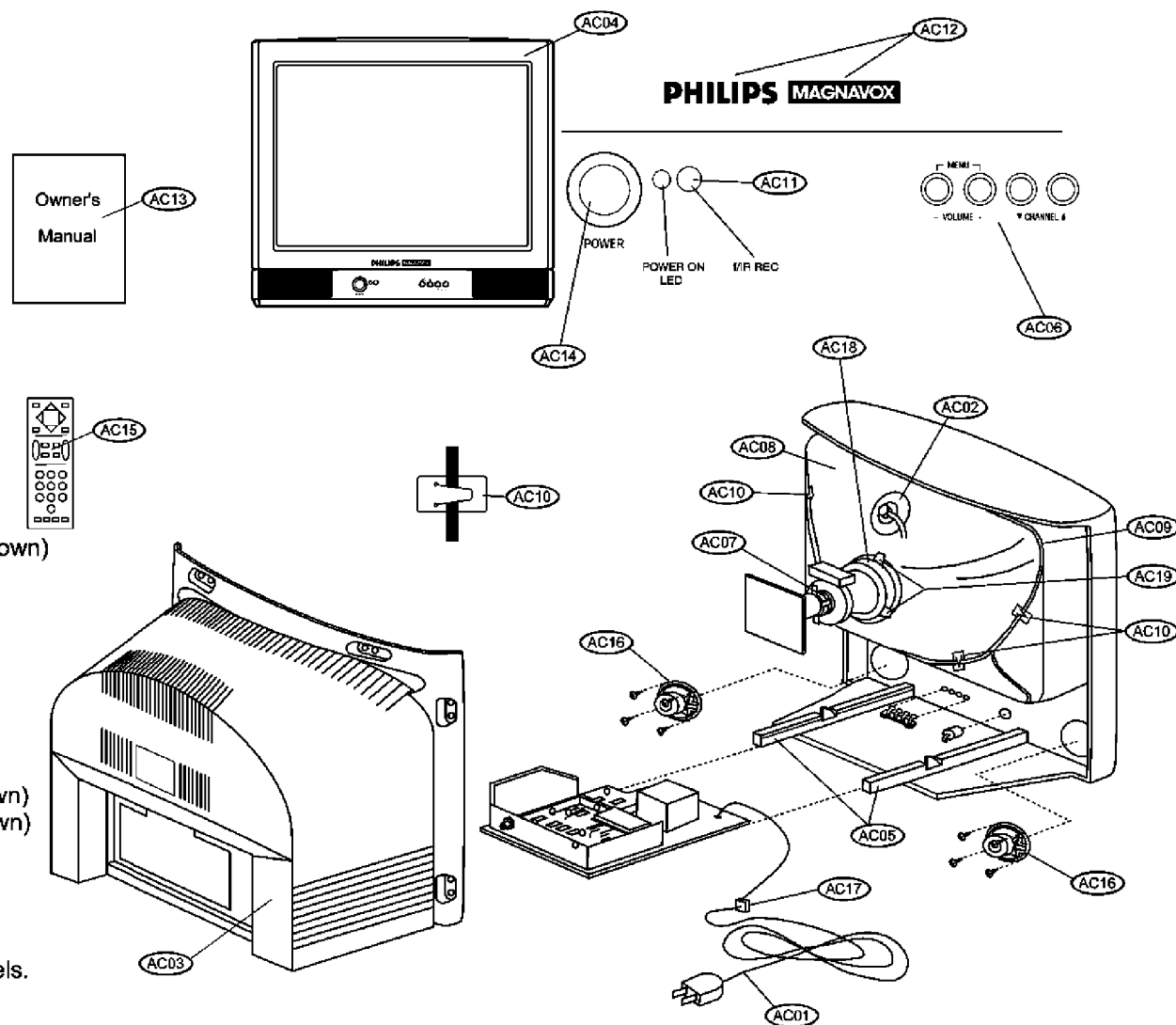
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| VG2  | A1 |
| 0165 | A1 |
| 0244 | A1 |
| 0245 | A2 |
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| 1300 | A1 |
| 2341 | A2 |
| 2342 | A1 |
| 2343 | A2 |
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| 3324 | A2 |
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| 7332 | A2 |
| 7333 | A2 |
| 9300 | A2 |
| 9301 | A1 |
| 9302 | A2 |
| 9303 | A2 |
| 9304 | A2 |





| REF.   | DESCRIPTION                                  |
|--------|--|
| AC01 ▲ | AC Power Cord                                |
| AC02 ▲ | Anode Clip                                   |
| AC03   | Cabinet Back                                 |
| AC04   | Cabinet Front                                |
| AC05   | Chassis Guide                                |
| AC06   | Control Buttons                              |
| AC07 ▲ | Convergence and Purity Assembly              |
| AC08 ▲ | CRT  |
| AC09 ▲ | Degaussing Coil                              |
| AC10   | Degaussing Coil Holder (4 Used)              |
| AC11   | Light Guide                                  |
| AC12   | Nameplate                                    |
| AC13   | Owner's Manual                               |
| AC14   | Power Button                                 |
| AC15   | Remote Transmitter                           |
| AC16   | Speaker                                      |
| AC17   | Strain Relief for AC Cord                    |
| AC18 ▲ | Yoke   |
| AC19   | Yoke Wedge                                   |
| AC20   | AC Adaptor (Not Shown)                       |
| AC21   | Batteries for Remote Transmitter (Not Shown) |
| AC22   | Card Door Cover (Not Shown)                  |
| AC23   | Card Housing (Not Shown)                     |
| AC24   | Degaussing Coil Spring (Not Shown)           |
| AC25   | Instruction Sheet (Not Shown)                |
| AC26   | Jack Panel, Plastic (Not Shown)              |
| AC27   | OCV Card Door Cover (Not Shown)              |
| AC28   | RF Cable (Not Shown)                         |
| AC29   | Vent Cover (Not Shown)                       |
| AC30   | Extra Power Supply Bracket (Not Shown)       |
| AC31   | Extra Power Supply Module (Not Shown)        |
| AC32   | Assembly Braid (Not Shown)                   |
| AC33   | Cabinet Door (Not Shown)                     |

## TYPICAL TABLE MODEL EXPLODED VIEW



**Note:** Some parts listed are not available in all models.

# 13PR10G121 - Manual no. 7602

## Main Chassis

|              |  |                |      |  |      |     |       |
|--------------|--|----------------|------|--|------|-----|-------|
| Main Chassis |  |                | 2423 | 10uF., 20%, 100V, Electrolytic . . . .   | 2020 | 021 | 90813 |
| 0127         | 2 Pin Fuse Socket. . . . .               | 3122 358 71251 | 2471 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 0138         | IC-SPRING FOR ITEM 7471 (IC TDA9302H).   | 3104 301 22081 | 2472 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 0139         | IC-SPRING 7402 . . . . .                 | 3139 121 24581 | 2473 | 100uF., 20%, 50V, Electrolytic . . . .   | 2020 | 021 | 90587 |
| 0211         | 2 Pin Connector (AC Input Plug). . . .   | 2422 025 16269 | 2475 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 0212         | 2 Pin Connector (Degaussing Plug (RED))  | 2422 025 16375 | 2476 | 0.22uF., 10%, 50V, Metalized Polyester   | 3198 | 014 | 02240 |
| 0217         | 3 Pin Connector. . . . .                 | 2412 020 00725 | 2477 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 0218         | 2 Pin Connector. . . . .                 | 2422 026 04637 | 2500 | 0.47uF., 20%, 275V, Metalized Polypropyl |      |     |       |
| 0220         | 3 Pin Connector. . . . .                 | 2422 025 04851 |      | ene. . . . .                             | 2022 | 330 | 00018 |
| 0221         | 6 Pin Connector. . . . .                 | 2422 025 15503 | 2501 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0222         | 2 Pin Connector. . . . .                 | 2422 025 10646 | 2502 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0232         | Headphone Jack . . . . .                 | 2422 026 04747 | 2503 | 220uF., 20%, 200V, Electrolytic . . . .  | 2020 | 024 | 90557 |
| 0243         | 6 Pin Connector. . . . .                 | 2422 025 04854 | 2504 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0244         | 3 Pin Connector. . . . .                 | 2422 025 04851 | 2505 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0245         | 6 Pin Connector. . . . .                 | 2422 025 04854 | 2506 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0246         | 3 Pin Connector. . . . .                 | 2412 020 00725 | 2508 | 470pF., 1kV, 10%, Ceramic. . . . .       | 3198 | 019 | 64710 |
| 0254         | 9 Pin CRT Socket (M-NECK). . . . .       | 2422 500 80068 | 2515 | 1500pF., 250V, 20%, Ceramic. . . . .     | 2020 | 554 | 90172 |
| 1000         | Tuner V+U PLL F ENV56D98G3 . . . . .     | 2422 542 90108 | 2520 | 0.1uF., 16V, Ceramic . . . . .           | 3198 | 017 | 01040 |
| 1002         | 45.75 MHz Saw Filter F072TPL-A . . . .   | 2422 549 44327 | 2521 | 22uF., 20%, 50V, Electrolytic. . . . .   | 3198 | 025 | 52290 |
| 1200         | 4.5MHz Ceramic Filter, TPS*MB. . . . .   | 2422 549 40807 | 2522 | 0.1uF., 16V, Ceramic . . . . .           | 3198 | 017 | 01040 |
| 1500         | 5 Amp, 250V, Fuse (5X20) . . . . .       | 2422 086 10905 | 2523 | 1500pF., 2kV, 10%, Ceramic . . . . .     | 2020 | 558 | 90489 |
| 1600         | Tact Switch. . . . .                     | 2422 128 02742 | 2525 | 470pF., 50V, Ceramic. . . . .            | 3198 | 017 | 04710 |
| 1601         | Tact Switch. . . . .                     | 2422 128 02742 | 2526 | 0.001uF., 50V, Ceramic . . . . .         | 3198 | 017 | 01020 |
| 1602         | Tact Switch. . . . .                     | 2422 128 02742 | 2527 | 470pF., 50V, Ceramic. . . . .            | 3198 | 017 | 04710 |
| 1603         | Tact Switch. . . . .                     | 2422 128 02742 | 2540 | 0.015uF., 50V, Ceramic . . . . .         | 3198 | 017 | 01530 |
| 1606         | Tact Switch. . . . .                     | 2422 128 02742 | 2560 | 1000pF., 1kV, 10%, Ceramic . . . . .     | 3198 | 019 | 61020 |
| 1660         | 12MHz, Crystal Resonator, HC49/U A . .   | 2422 543 01203 | 2561 | 47uF., 20%, 160V, Electrolytic . . . . . | 2020 | 021 | 91358 |
| 2004         | 0.047uF., 25V, Ceramic . . . . .         | 3198 023 04730 | 2562 | 1000pF., 50V, Ceramic . . . . .          | 3198 | 019 | 11020 |
| 2005         | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 025 51090 | 2563 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 2006         | 470uF., 20%, 16V, Electrolytic . . . .   | 3198 025 24710 | 2564 | 2200uF., 20%, 16V, Electrolytic. . . . . | 2020 | 012 | 93057 |
| 2007         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2565 | 470pF., 1kV, 10%, Ceramic. . . . .       | 3198 | 019 | 64710 |
| 2008         | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 025 31010 | 2567 | 47uF., 20%, 25V, Electrolytic. . . . .   | 3198 | 025 | 34790 |
| 2009         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2568 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 51080 |
| 2181         | 22pF., 50V, Ceramic. . . . .             | 3198 016 02290 | 2569 | 470pF., 50V, Ceramic. . . . .            | 3198 | 017 | 04710 |
| 2182         | 330pF., 50V, Ceramic . . . . .           | 3198 016 03310 | 2580 | 47uF., 20%, 25V, Electrolytic. . . . .   | 3198 | 025 | 34790 |
| 2184         | 2.2uF., 10V, Ceramic . . . . .           | 3198 017 22250 | 2601 | 0.22uF., 25V, Ceramic. . . . .           | 3198 | 023 | 22240 |
| 2202         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2602 | 100pF., 50V, Ceramic . . . . .           | 3198 | 016 | 01010 |
| 2203         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2606 | 1000pF., 50V, Ceramic. . . . .           | 3198 | 016 | 01020 |
| 2204         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2607 | 33pF., 50V, Ceramic. . . . .             | 3198 | 016 | 03390 |
| 2205         | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 | 2608 | 0.1uF., 25V, Ceramic. . . . .            | 3198 | 023 | 21040 |
| 2208         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2609 | 33pF., 50V, Ceramic. . . . .             | 3198 | 016 | 03390 |
| 2209         | 4.7uF., 20%, 50V, Electrolytic . . . .   | 3198 025 54780 | 2611 | 0.1uF., 25V, Ceramic. . . . .            | 3198 | 023 | 21040 |
| 2210         | 0.47uF., 20%, 50V, Electrolytic. . . .   | 3198 025 54770 | 2612 | 22pF., 50V, Ceramic. . . . .             | 3198 | 016 | 02290 |
| 2211         | 0.47uF., 16V, Ceramic . . . . .          | 3198 017 24740 | 2613 | 22pF., 50V, Ceramic. . . . .             | 3198 | 016 | 02290 |
| 2216         | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 025 31010 | 2615 | 1000pF., 50V, Ceramic. . . . .           | 3198 | 016 | 01020 |
| 2217         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2618 | 0.01uF., 50V, Ceramic. . . . .           | 3198 | 017 | 01030 |
| 2219         | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 | 2619 | 1uF., 16V, Ceramic. . . . .              | 3198 | 017 | 21050 |
| 2226         | 4700pF., 50V, Ceramic. . . . .           | 3198 017 04720 | 2691 | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 | 025 | 31010 |
| 2227         | 4700pF., 50V, Ceramic. . . . .           | 3198 017 04720 | 2902 | 220uF., 20%, 50V, Electrolytic . . . .   | 3198 | 026 | 52210 |
| 2228         | 820pF., 50V, Ceramic . . . . .           | 3198 016 08210 | 2903 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 51080 |
| 2229         | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 025 51090 | 2904 | 1uF., 16V, Ceramic. . . . .              | 3198 | 017 | 21050 |
| 2233         | 820pF., 50V, Ceramic . . . . .           | 3198 016 08210 | 2905 | 1000pF., 50V, Ceramic. . . . .           | 3198 | 016 | 01020 |
| 2241         | 4700pF., 50V, Ceramic. . . . .           | 3198 017 04720 | 2908 | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 | 025 | 51090 |
| 2242         | 1uF., 16V, Ceramic. . . . .              | 3198 017 21050 | 2941 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 51080 |
| 2243         | 2200pF., 50V, Ceramic. . . . .           | 3198 017 02220 | 2942 | 0.033uF., 50V, Ceramic . . . . .         | 3198 | 017 | 03330 |
| 2244         | 0.1uF., 10%, 63V, Metalized Polyester.   | 2222 370 75104 | 2943 | 0.1uF., 16V, Ceramic . . . . .           | 3198 | 017 | 01040 |
| 2245         | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 | 2944 | 0.047uF., 50V, Ceramic. . . . .          | 3198 | 017 | 24730 |
| 2246         | 4.7uF., 20%, 50V, Electrolytic . . . .   | 3198 025 54780 | 2945 | 0.01uF., 50V, Ceramic. . . . .           | 3198 | 017 | 01030 |
| 2247         | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 025 31010 | 2946 | 1uF., 16V, Ceramic. . . . .              | 3198 | 017 | 21050 |
| 2248         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2981 | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 | 025 | 31010 |
| 2249         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2982 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 2250         | 2.2uF., 20%, 50V, Electrolytic . . . .   | 3198 025 52280 | 2983 | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 | 025 | 31010 |
| 2252         | 1000pF., 50V, Ceramic. . . . .           | 3198 016 01020 | 2984 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 2253         | 1000pF., 50V, Ceramic. . . . .           | 3198 016 01020 | 3000 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2254         | 100pF., 50V, Ceramic . . . . .           | 3198 016 01010 | 3001 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2313         | 270pF., 50V, Ceramic . . . . .           | 3198 016 02710 | 3002 | Zero ohm "Chip" Jumper . . . . .         | 3198 | 021 | 90020 |
| 2323         | 390pF., 50V, Ceramic . . . . .           | 3198 016 03910 | 3003 | 1.5k, 5% . . . . .                       | 3198 | 021 | 51520 |
| 2331         | 390pF., 50V, Ceramic . . . . .           | 3198 016 03910 | 3004 | 8.2k, 5% . . . . .                       | 3198 | 021 | 58220 |
| 2341         | 2200pF., 1kV, 10%, Ceramic . . . . .     | 2020 558 90571 | 3005 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2342         | 0.047uF., 10%, 250V Metalized Polyester  | 2222 365 45473 | 3181 | 75 ohm, 5%, 1/6W Carbon. . . . .         | 3198 | 011 | 07590 |
| 2343         | 0.047uF., 10%, 250V Metalized Polyester  | 2222 365 45473 | 3182 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2401         | 680pF., 50V, Ceramic. . . . .            | 3198 019 16810 | 3183 | 150 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01510 |
| 2402         | 0.56uF., 5%, 250V, Metalized Polypropyl  |                | 3184 | 47k, 5%. . . . .                         | 3198 | 021 | 54730 |
|              | ene. . . . .                             | 2022 333 00088 | 3200 | 390 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 03910 |
| 2406         | 330pF., 50V, Ceramic . . . . .           | 3198 016 03310 | 3201 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2407         | 0.0082uF., 5%, 1.6kV, Metalized Polypro  |                | 3202 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
|              | pylene . . . . .                         | 2020 301 90247 | 3203 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2408         | 0.022uF., 50V, Ceramic . . . . .         | 3198 019 22230 | 3204 | 10k, 5%, 1/6W Carbon . . . . .           | 3198 | 011 | 01030 |
| 2409         | 47uF., 20%, 160V, Electrolytic . . . . . | 2020 021 91139 | 3206 | 100k, 5% . . . . .                       | 3198 | 021 | 51040 |
| 2410         | 470uF., 20%, 16V, Electrolytic . . . .   | 2020 021 91577 | 3207 | 1k, 5%, 1/6W Carbon. . . . .             | 3198 | 011 | 01020 |
| 2411         | 47uF., 20%, 25V, Electrolytic. . . . .   | 2020 021 90586 | 3208 | 220 ohm, 5%. . . . .                     | 3198 | 021 | 52210 |
| 2412         | 0.033uF., 10%, 100V, Metalized Polyester | 2222 347 90236 | 3209 | 68 ohm, 5% . . . . .                     | 3198 | 021 | 56890 |
| 2413         | 10uF., 20%, 250V, Electrolytic . . . . . | 2020 012 93495 | 3212 | 470 ohm, 5%. . . . .                     | 3198 | 021 | 54710 |
| 2414         | 1000uF., 20%, 16V, Electrolytic. . . .   | 2020 021 91049 | 3213 | 560 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 05610 |
| 2416         | 470pF., 2kV, 10%, Ceramic. . . . .       | 2020 558 90483 | 3217 | 330k, 5% . . . . .                       | 3198 | 021 | 53340 |
| 2417         | 1000uF., 20%, 16V, Electrolytic. . . .   | 2020 021 91049 | 3218 | 82k, 5%. . . . .                         | 3198 | 021 | 58230 |
| 2418         | 0.01uF., 50V, Ceramic . . . . .          | 3198 017 01030 | 3219 | 2.2k, 5%. . . . .                        | 3198 | 021 | 52220 |
| 2419         | 1uF., 20%, 50V, Electrolytic . . . . .   | 2020 021 91147 | 3226 | 560 ohm, 5%. . . . .                     | 3198 | 021 | 55610 |
| 2420         | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 025 51080 | 3232 | 2.2k, 5% . . . . .                       | 3198 | 021 | 52220 |
| 2421         | 0.047uF., 50V, Ceramic. . . . .          | 3198 017 24730 | 3235 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2422         | 470uF., 20%, 16V, Electrolytic . . . .   | 2020 021 91577 | 3241 | 22k, 5%. . . . .                         | 3198 | 021 | 52230 |
|              |  |                | 3242 | 27k, 5%. . . . .                         | 3198 | 021 | 52730 |

# 13PR10G121 (continued)

|      |   |                |      |  |                |
|------|---|----------------|------|--|----------------|
| 3244 | 820 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 08210 | 3531 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3245 | 39k, 5%. . . . .  | 3198 021 53930 | 3541 | 470 ohm, 5%. . . . .                       | 3198 021 54710 |
| 3246 | 10k, 5%. . . . .  | 3198 021 51030 | 3542 | 1.5k, 5%. . . . .                          | 3198 021 51520 |
| 3247 | 220k, 5%. . . . .   | 3198 021 52240 | 3543 | 82k, 1%, Metal Film. . . . .               | 2322 156 28203 |
| 3248 | 27k, 5%. . . . .  | 3198 021 52730 | 3544 | 6.8k, 1%, Metal Film . . . . .             | 2322 156 26802 |
| 3249 | 820 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 08210 | 3545 | 82k, 5%. . . . .                           | 3198 021 58230 |
| 3251 | 100 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 01010 | 3546 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3254 | 1M, 5%. . . . .   | 3198 021 51050 | 3547 | 0.33 ohm, 5%, 1W, Power Resistor . . . . . | 3198 012 13370 |
| 3256 | 1k, 5%. . . . .   | 3198 021 51020 | 3548 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3257 | 10Meg, 5%. . . . .  | 3198 021 51060 | 3549 | 470 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 04710 |
| 3258 | 330k, 5%. . . . .   | 3198 021 53340 | 3552 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3259 | 470k, 5%. . . . .   | 3198 021 54740 | 3559 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3311 | 3.9k, 5%. . . . .   | 3198 021 53920 | 3561 | 220 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 02210 |
| 3312 | 330 ohm, 5%. . . . .  | 3198 021 53310 | 3562 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3313 | 10 ohm, 5%. . . . .   | 3198 021 51090 | 3563 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3314 | 18k, 5%, Metal Film. . . . .                                  | 2322 195 63183 | 3564 | 4.7 ohm, 5%, 2W, Power Resistor. . . . .   | 3198 012 24780 |
| 3316 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                  | 2306 204 03689 | 3565 | 330 ohm, 5%, 1W, Power Resistor. . . . .   | 3198 012 13310 |
| 3317 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3566 | 2.2k, 5%. . . . .                          | 3198 021 52220 |
| 3321 | 3.9k, 5%. . . . .   | 3198 021 53920 | 3569 | 5.6k, 5%. . . . .                          | 3198 021 55620 |
| 3322 | 330 ohm, 5%. . . . .  | 3198 021 53310 | 3580 | 47k, 5%. . . . .                           | 3198 021 54730 |
| 3323 | 10 ohm, 5%. . . . .   | 3198 021 51090 | 3603 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3324 | 18k, 5%, Metal Film. . . . .                                  | 2322 195 63183 | 3604 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3326 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                  | 2306 204 03689 | 3605 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3327 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3606 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3331 | 3.9k, 5%. . . . .   | 3198 021 53920 | 3607 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3332 | 330 ohm, 5%. . . . .  | 3198 021 53310 | 3608 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3333 | 10 ohm, 5%. . . . .   | 3198 021 51090 | 3611 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3334 | 18k, 5%, Metal Film. . . . .                                  | 2322 195 63183 | 3614 | 4.7k, 5%, 1/6W Carbon. . . . .             | 3198 011 04720 |
| 3336 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                  | 2306 204 03689 | 3615 | 10k, 5%, 1/6W Carbon . . . . .             | 3198 011 01030 |
| 3337 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3617 | 4.7k, 5%, 1/6W Carbon. . . . .             | 3198 011 04720 |
| 3341 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3618 | 6.8k, 5%, 1/6W Carbon. . . . .             | 3198 011 06820 |
| 3347 | 220 ohm, 5% Fusible Resistor NFR25 . . . . .                  | 2306 204 03221 | 3619 | 8.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 08220 |
| 3348 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3622 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3349 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                  | 2306 204 03158 | 3623 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3350 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                  | 2306 204 03158 | 3624 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3401 | 330k, 5%. . . . .   | 2322 242 13334 | 3625 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3402 | 18k, 5%, 1/6W Carbon . . . . .                                | 3198 011 01830 | 3626 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3403 | 22 ohm, 5%, 3W, Power Resistor . . . . .                      | 3198 012 32290 | 3627 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3404 | 6.8 ohm, 5%, Fusible Resistor NFR25. . . . .                  | 2306 204 03688 | 3628 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3406 | 10k, 5%, 1/6W Carbon . . . . .                                | 3198 011 01030 | 3630 | 2.2k, 5%. . . . .                          | 3198 021 52220 |
| 3407 | 220 ohm, 5%, 3W, Power Resistor. . . . .                      | 3198 012 32210 | 3632 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3408 | 1k, 5%, 1/6W Carbon. . . . .                                  | 3198 011 01020 | 3636 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3410 | 33k, 5%. . . . .  | 3198 021 53330 | 3681 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3411 | 10 ohm, 5% Fusible Resistor NFR25. . . . .                    | 2306 204 03109 | 3682 | 3.3k, 5%. . . . .                          | 3198 021 53320 |
| 3412 | 3.3k, 1%, Metal Film . . . . .                                | 2322 156 23302 | 3683 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3413 | 10k, 5%. . . . .  | 3198 021 51030 | 3684 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3414 | 1.5k, 1%, Metal Film . . . . .                                | 2322 156 21502 | 3685 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3415 | 1k, 5%, 1/6W Carbon. . . . .                                  | 3198 011 01020 | 3686 | 1.5k, 5%. . . . .                          | 3198 021 51520 |
| 3416 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                  | 2306 204 03689 | 3691 | 330 ohm, 5%. . . . .                       | 3198 021 53310 |
| 3417 | 33k, 5%, 1/6W Carbon . . . . .                                | 3198 011 03330 | 3693 | 220 ohm, 5%. . . . .                       | 3198 021 52210 |
| 3418 | 33k, 5%. . . . .  | 3198 021 53330 | 3694 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3419 | 6.8k, 5%. . . . .   | 3198 021 56820 | 3901 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3420 | 33k, 5%. . . . .  | 3198 021 53330 | 3902 | 3.3k, 5%. . . . .                          | 3198 021 53320 |
| 3421 | 6.8 ohm, 5%, 2W, Power Resistor. . . . .                      | 3198 012 26880 | 3903 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3422 | 100 ohm, 5%. . . . .  | 3198 021 51010 | 3904 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3423 | 820 ohm, 5%. . . . .  | 3198 021 58210 | 3907 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3424 | 100 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 01010 | 3941 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3425 | 15k, 5%, 1/6W Carbon . . . . .                                | 3198 011 01530 | 3942 | 3.9k, 5%. . . . .                          | 3198 021 53920 |
| 3426 | 1M, 5%. . . . .   | 3198 021 51050 | 3943 | 2.7k, 5%. . . . .                          | 3198 021 52720 |
| 3427 | 12k, 5%, 1/6W Carbon . . . . .                                | 3198 011 01230 | 3944 | 2.7k, 5%. . . . .                          | 3198 021 52720 |
| 3428 | 39 ohm, 5% Fusible Resistor NFR25H . . . . .                  | 2306 207 03399 | 3945 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3431 | 3.3k, 5%. . . . .   | 3198 021 53320 | 3946 | 18k, 5%. . . . .                           | 3198 021 51830 |
| 3432 | 22 ohm, 5%, 1/6W Carbon. . . . .                              | 3198 011 02290 | 3947 | 330 ohm, 5%. . . . .                       | 3198 021 53310 |
| 3471 | 6.8 ohm, 1%, Metal Film. . . . .                              | 2322 156 26808 | 3948 | 47k, 5%. . . . .                           | 3198 021 54730 |
| 3472 | 3.9 ohm, 1%, Metal Film. . . . .                              | 2322 156 23908 | 3949 | 15k, 5%. . . . .                           | 3198 021 51530 |
| 3473 | 2.2k, 1%, Metal Film . . . . .                                | 2322 156 22202 | 3950 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3474 | 1k, 5%, 1/6W Carbon. . . . .                                  | 3198 011 01020 | 3951 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3475 | 2.2k, 1%, Metal Film . . . . .                                | 2322 156 22202 | 3981 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3476 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                  | 2306 204 03158 | 3982 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3477 | 220 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 02210 | 4001 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3478 | 220 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 02210 | 4002 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3479 | 1k, 5%, 1/6W Carbon. . . . .                                  | 3198 011 01020 | 4181 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3500 | 3.3Meg, 5%. . . . .   | 2322 242 13335 | 4212 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3501 | 3.3Meg, 5%. . . . .   | 2322 242 13335 | 4216 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3502 | 4.7 ohm, 20%, 3.1W, Negative Temperature Coefficient. . . . . | 2122 612 00055 | 4217 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3503 | 10 ohm, 30%, 120V, Positive Temperature Coefficient. . . . .  | 2120 661 00026 | 4410 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3506 | Jumper Wire. . . . .  | 0322 179 00003 | 4501 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3507 | Surge Protector DSP-301N-A21F. . . . .                        | 2422 549 43073 | 4613 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3519 | 270 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 02710 | 4614 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3520 | 1.2k, 5%. . . . .   | 3198 021 51220 | 4615 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3521 | 4.7 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 04780 | 4616 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3522 | 330k, 5%. . . . .   | 3198 021 53340 | 4617 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3523 | 100 ohm, 5%, Fusible Resistor NFR25 . . . . .                 | 2306 204 03101 | 4618 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3524 | 56k, 5%. . . . .  | 3198 021 55630 | 4619 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3525 | 1k, 5%. . . . .   | 3198 021 51020 | 4622 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3526 | 0.15 ohm, 5%, 1W, Power Resistor . . . . .                    | 3198 012 11570 | 4623 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3527 | 2.2k ohm, 5%, Fusible Resistor NFR25 . . . . .                | 2306 204 03222 | 4691 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3528 | 10k, 5%. . . . .  | 3198 021 51030 | 4692 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3529 | 47k, 5%. . . . .  | 3198 021 54730 | 4693 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3530 | 4.7k, 5%. . . . .   | 3198 021 54720 | 4807 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |   |                | 4811 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |   |                | 4812 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |

S = Safety Part Be sure to use exact replacement part.

## 13PR10G121 (continued)

|      |  |                |      |                                    |                |
|------|--|----------------|------|------------------------------------|----------------|
| 4813 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7405 | Transistor BC857B . . . . .        | 3198 010 42150 |
| 4814 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7406 | Transistor BC857B . . . . .        | 3198 010 42150 |
| 4901 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7407 | Power Transistor BD135-16. . . . . | 3198 020 41190 |
| 4911 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7408 | Power Transistor BD135-17. . . . . | 3198 020 41190 |
| 4982 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7409 | Transistor BC857B . . . . .        | 3198 010 42150 |
| 5001 | Fixed Inductor, 5.6uH, 10% . . . . .             | 3198 018 25680 | 7471 | IC, TDA9302H . . . . .             | 9322 088 25682 |
| 5002 | Fixed Inductor, 0.82uH, 10% . . . . .            | 3198 018 18270 | 7515 | Opto-Coupler, TCET1103(G). . . . . | 9322 140 14667 |
| 5201 | Fixed Inductor, 6.8uH, 5% . . . . .              | 3198 018 16880 | 7520 | IC, TEA1507P/N1. . . . .           | 9352 673 56112 |
| 5202 | Fixed Inductor, 10uH, 10% . . . . .              | 3198 018 21090 | 7521 | Power FET, STP5NC50FP. . . . .     | 9322 160 71687 |
| 5241 | Fixed Inductor, 10uH, 10% . . . . .              | 3198 018 21090 | 7522 | Transistor BC847B . . . . .        | 3198 010 42030 |
| 5242 | Fixed Inductor, 10uH, 5% . . . . .               | 3198 018 11090 | 7540 | Transistor BC547B. . . . .         | 3198 020 40030 |
| 5341 | Fixed Inductor, 12uH, 5% SPT0508 . . . . .       | 2422 535 95598 | 7541 | Transistor PDTO114ET. . . . .      | 9340 310 10215 |
| 5342 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 7542 | Transistor BC857B . . . . .        | 3198 010 42150 |
| 5403 | Fixed Inductor, 27uH, 10%, LHL08 . . . . .       | 2422 535 94888 | 7560 | IC, L78L33ACZ. . . . .             | 9322 134 92676 |
| 5408 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7561 | Transistor PDTO143ZT. . . . .      | 9340 547 00215 |
| 5410 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7602 | IC M24C16-WBN6 . . . . .           | 9322 147 25682 |
| 5444 | Signal Driver Transformer SC10009-03. . . . .    | 2422 531 02446 | 7902 | IC, AN7523N. . . . .               | 9322 158 66667 |
| 5445 | LOT Transformer MSLOT4 . . . . .                 | 3128 138 21541 | 7941 | Transistor BC847B . . . . .        | 3198 010 42030 |
| 5502 | AC Filter. . . . .                               | 2422 549 44284 | 7942 | Transistor BC847B . . . . .        | 3198 010 42030 |
| 5520 | Transformer SS28011-04. . . . .                  | 2422 531 02458 | 7943 | Transistor BC847B . . . . .        | 3198 010 42030 |
| 5521 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9181 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5560 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9503 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5561 | Fixed Inductor, 27uH, 10% . . . . .              | 3198 018 22790 | 9692 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5562 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9696 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5563 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9814 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5602 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9820 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5603 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9821 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5604 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9822 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5833 | Jumper Wire. . . . .                             | 0322 179 00003 | 9824 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6001 | Diode Regulator, BZX79-C33 (33Volt). . . . .     | 3198 010 23390 | 9825 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6201 | Diode, BAV21 . . . . .                           | 3198 010 10630 | 9825 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6202 | Diode, BAS316 . . . . .                          | 3198 010 10630 | 9826 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6206 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 | 9827 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6241 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 | 9828 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6311 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9829 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6321 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9830 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6331 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9832 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6341 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9833 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6342 | Diode, 1N4148. . . . .                           | 3198 010 10010 | 9982 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6343 | Diode Regulator, BZX384-C8V2 (8.2Volt) . . . . . | 3198 020 58280 | CBA  | Main Chassis . . . . .             | 3139 178 85481 |
| 6401 | Diode, BAV21 . . . . .                           | 3198 010 10070 |      |                                    |                |
| 6402 | Diode Rectifier, BYV27-200 . . . . .             | 9322 126 72673 |      |                                    |                |
| 6404 | Diode Rectifier, BYD33D. . . . .                 | 9337 410 30133 |      |                                    |                |
| 6405 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6406 | Diode, BAV70. . . . .                            | 9331 849 10215 |      |                                    |                |
| 6407 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6408 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6409 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6410 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6413 | Diode, 1N4148. . . . .                           | 3198 010 10010 |      |                                    |                |
| 6414 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 |      |                                    |                |
| 6415 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6419 | Diode Regulator, BZX79-C5V6 (5.6Volt). . . . .   | 3198 010 25680 |      |                                    |                |
| 6420 | Diode Regulator, BZX79-C9V1 (9.1Volt). . . . .   | 9331 177 80133 |      |                                    |                |
| 6423 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6471 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6500 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |                                    |                |
| 6501 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |                                    |                |
| 6502 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |                                    |                |
| 6503 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |                                    |                |
| 6520 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6523 | Diode, 1N4148. . . . .                           | 3198 010 10010 |      |                                    |                |
| 6540 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 |      |                                    |                |
| 6541 | Diode Regulator, BZX79-C10 (10Volt). . . . .     | 3198 010 21090 |      |                                    |                |
| 6560 | Diode Rectifier, BYW76-RAS15/10. . . . .         | 9322 127 32682 |      |                                    |                |
| 6562 | Diode Rectifier, EGP20DL-5100. . . . .           | 9322 164 42682 |      |                                    |                |
| 6563 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6565 | Diode, BAV70. . . . .                            | 9331 849 10215 |      |                                    |                |
| 6566 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6569 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6570 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 |      |                                    |                |
| 6681 | Diode, BAT85 . . . . .                           | 9336 247 60133 |      |                                    |                |
| 6691 | LED, VS LTL-10224WHCR. . . . .                   | 9322 050 99682 |      |                                    |                |
| 6692 | IR Receiver, TSOP1836UH3V. . . . .               | 9322 127 54667 |      |                                    |                |
| 6901 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 7200 | IC, 2US1 Software Cluster. . . . .               | 9352 699 88557 |      |                                    |                |
| 7201 | Transistor BC847B . . . . .                      | 3198 010 42030 |      |                                    |                |
| 7204 | Transistor BC857B . . . . .                      | 3198 010 42150 |      |                                    |                |
| 7241 | Transistor PDTA114ET. . . . .                    | 3198 010 44010 |      |                                    |                |
| 7311 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7312 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7313 | Transistor BF423 . . . . .                       | 3198 020 43020 |      |                                    |                |
| 7321 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7322 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7323 | Transistor BF423 . . . . .                       | 3198 020 43020 |      |                                    |                |
| 7331 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7332 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7333 | Transistor BF423 . . . . .                       | 3198 020 43020 |      |                                    |                |
| 7401 | Transistor PDTO143ZT. . . . .                    | 9340 547 00215 |      |                                    |                |
| 7402 | Power Transistor BUT11APX-1200 . . . . .         | 9340 563 21127 |      |                                    |                |
| 7403 | Transistor BC337-25. . . . .                     | 3198 020 43530 |      |                                    |                |
| 7404 | Transistor BC636 . . . . .                       | 9332 219 50126 |      |                                    |                |

S = Safety Part Be sure to use exact replacement part.

## Model 13PR10G/121 Cabinet Parts

|        | Model 13PR10G/121 Cabinet Parts          |                |
|--------|--|----------------|
| S AC01 | AC Power Cord. . . . .                   | 3135 010 04751 |
| AC03   | Cabinet Back . . . . .                   | 3139 137 92791 |
| AC04   | Cabinet Front. . . . .                   | 3139 137 82921 |
| AC05   | Chassis Guide. . . . .                   | 3139 124 34091 |
| AC06   | Control Buttons. . . . .                 | 3139 137 79211 |
| S AC08 | CRT A34EJM34X113 . . . . .               | 9301 815 60361 |
| S AC09 | Degaussing Coil. . . . .                 | 2422 549 44427 |
| AC10   | Degaussing Coil Holder (2 used). . . . . | 3135 013 01641 |
| AC11   | Light Guide. . . . .                     | 3139 124 35851 |
| AC13   | Owner's Manual . . . . .                 | 3121 235 20031 |
| AC14   | Power Button . . . . .                   | 3139 137 79201 |
| REMOTE | Remote Transmitter . . . . .             | 3139 228 87521 |
| AC16   | Speaker, 8W, 16 ohm. . . . .             | 2422 264 00407 |
| S AC18 | Deflection Yoke. . . . .                 | 3306 133 24671 |
| AC21   | Batteries f Remote Transmitter . . . . . | 9299 000 65263 |
| AC24   | Degaussing Coil Spring . . . . .         | 3139 121 26231 |
| AC32   | Assembly Braid . . . . .                 | 3135 010 07331 |
| AC33   | Cabinet Door . . . . .                   | 3139 137 82961 |

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## Main Chassis

|              |  |                |      |  |      |     |       |
|--------------|--|----------------|------|--|------|-----|-------|
| Main Chassis |  |                | 2423 | 10uF., 20%, 100V, Electrolytic . . . .   | 2020 | 021 | 90813 |
| 0127         | 2 Pin Fuse Socket. . . . .               | 3122 358 71251 | 2471 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 0138         | IC-SPRING FOR ITEM 7471 (IC TDA9302H)..  | 3104 301 22081 | 2472 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 0139         | IC-SPRING 7402 . . . . .                 | 3139 121 24581 | 2473 | 100uF., 20%, 50V, Electrolytic . . . .   | 2020 | 021 | 90587 |
| 0211         | 2 Pin Connector (AC Input Plug).. . . .  | 2422 025 16269 | 2475 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 0212         | 2 Pin Connector (Degaussing Plug (RED))  | 2422 025 16375 | 2476 | 0.22uF., 10%, 50V, Metalized Polyester   | 3198 | 014 | 02240 |
| 0217         | 3 Pin Connector. . . . .                 | 2412 020 00725 | 2477 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 0218         | 2 Pin Connector. . . . .                 | 2422 026 04637 | 2500 | 0.47uF., 20%, 275V, Metalized Polypropyl |      |     |       |
| 0220         | 3 Pin Connector. . . . .                 | 2422 025 04851 |      | ene. . . . .                             | 2022 | 330 | 00018 |
| 0221         | 6 Pin Connector. . . . .                 | 2422 025 15503 | 2501 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0222         | 2 Pin Connector. . . . .                 | 2422 025 10646 | 2502 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0232         | Headphone Jack . . . . .                 | 2422 026 04747 | 2503 | 220uF., 20%, 200V, Electrolytic . . . .  | 2020 | 024 | 90557 |
| 0243         | 6 Pin Connector. . . . .                 | 2422 025 04854 | 2504 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0244         | 3 Pin Connector. . . . .                 | 2422 025 04851 | 2505 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0245         | 6 Pin Connector. . . . .                 | 2422 025 04854 | 2506 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0246         | 3 Pin Connector. . . . .                 | 2412 020 00725 | 2508 | 470pF., 1kV, 10%, Ceramic. . . . .       | 3198 | 019 | 64710 |
| 0254         | 9 Pin CRT Socket (M-NECK). . . . .       | 2422 500 80068 | 2515 | 1500pF., 250V, 20%, Ceramic. . . . .     | 2020 | 554 | 90172 |
| 1000         | Tuner V+U PLL F ENV56D98G3 . . . . .     | 2422 542 90108 | 2520 | 0.1uF., 16V, Ceramic . . . . .           | 3198 | 017 | 01040 |
| 1002         | 45.75 MHz Saw Filter F072TPL-A . . . .   | 2422 549 44327 | 2521 | 22uF., 20%, 50V, Electrolytic. . . . .   | 3198 | 025 | 52290 |
| 1200         | 4.5MHz Ceramic Filter, TPS*MB. . . . .   | 2422 549 40807 | 2522 | 0.1uF., 16V, Ceramic . . . . .           | 3198 | 017 | 01040 |
| 1500         | 5 Amp, 250V, Fuse (5X20) . . . . .       | 2422 086 10905 | 2523 | 1500pF., 2kV, 10%, Ceramic . . . . .     | 2020 | 558 | 90489 |
| 1600         | Tact Switch. . . . .                     | 2422 128 02742 | 2525 | 470pF., 50V, Ceramic. . . . .            | 3198 | 017 | 04710 |
| 1601         | Tact Switch. . . . .                     | 2422 128 02742 | 2526 | 0.001uF., 50V, Ceramic . . . . .         | 3198 | 017 | 01020 |
| 1602         | Tact Switch. . . . .                     | 2422 128 02742 | 2527 | 470pF., 50V, Ceramic. . . . .            | 3198 | 017 | 04710 |
| 1603         | Tact Switch. . . . .                     | 2422 128 02742 | 2540 | 0.015uF., 50V, Ceramic . . . . .         | 3198 | 017 | 01530 |
| 1606         | Tact Switch. . . . .                     | 2422 128 02742 | 2560 | 1000pF., 1kV, 10%, Ceramic . . . . .     | 3198 | 019 | 61020 |
| 1660         | 12MHz, Crystal Resonator, HC49/U A . .   | 2422 543 01203 | 2561 | 47uF., 20%, 160V, Electrolytic . . . .   | 2020 | 021 | 91358 |
| 2004         | 0.047uF., 25V, Ceramic . . . . .         | 3198 023 04730 | 2562 | 1000pF., 50V, Ceramic . . . . .          | 3198 | 019 | 11020 |
| 2005         | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 025 51090 | 2563 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 2006         | 470uF., 20%, 16V, Electrolytic . . . .   | 3198 025 24710 | 2564 | 2200uF., 20%, 16V, Electrolytic. . . .   | 2020 | 012 | 93057 |
| 2007         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2565 | 470pF., 1kV, 10%, Ceramic. . . . .       | 3198 | 019 | 64710 |
| 2008         | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 025 31010 | 2567 | 47uF., 20%, 25V, Electrolytic. . . . .   | 3198 | 025 | 34790 |
| 2009         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2568 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 51080 |
| 2181         | 22pF., 50V, Ceramic. . . . .             | 3198 016 02290 | 2569 | 470pF., 50V, Ceramic. . . . .            | 3198 | 017 | 04710 |
| 2182         | 330pF., 50V, Ceramic . . . . .           | 3198 016 03310 | 2580 | 47uF., 20%, 25V, Electrolytic. . . .     | 3198 | 025 | 34790 |
| 2184         | 2.2uF., 10V, Ceramic . . . . .           | 3198 017 22250 | 2601 | 0.22uF., 25V, Ceramic. . . . .           | 3198 | 023 | 22240 |
| 2202         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2602 | 100pF., 50V, Ceramic . . . . .           | 3198 | 016 | 01010 |
| 2203         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2606 | 1000pF., 50V, Ceramic. . . . .           | 3198 | 016 | 01020 |
| 2204         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2607 | 33pF., 50V, Ceramic. . . . .             | 3198 | 016 | 03390 |
| 2205         | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 | 2608 | 0.1uF., 25V, Ceramic. . . . .            | 3198 | 023 | 21040 |
| 2208         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2609 | 33pF., 50V, Ceramic. . . . .             | 3198 | 016 | 03390 |
| 2209         | 4.7uF., 20%, 50V, Electrolytic . . . .   | 3198 025 54780 | 2611 | 0.1uF., 25V, Ceramic. . . . .            | 3198 | 023 | 21040 |
| 2210         | 0.47uF., 20%, 50V, Electrolytic. . . .   | 3198 025 54770 | 2612 | 22pF., 50V, Ceramic. . . . .             | 3198 | 016 | 02290 |
| 2211         | 0.47uF., 16V, Ceramic . . . . .          | 3198 017 24740 | 2613 | 22pF., 50V, Ceramic. . . . .             | 3198 | 016 | 02290 |
| 2216         | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 025 31010 | 2615 | 1000pF., 50V, Ceramic. . . . .           | 3198 | 016 | 01020 |
| 2217         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2618 | 0.01uF., 50V, Ceramic. . . . .           | 3198 | 017 | 01030 |
| 2219         | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 | 2619 | 1uF., 16V, Ceramic. . . . .              | 3198 | 017 | 21050 |
| 2226         | 4700pF., 50V, Ceramic. . . . .           | 3198 017 04720 | 2691 | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 | 025 | 31010 |
| 2227         | 4700pF., 50V, Ceramic. . . . .           | 3198 017 04720 | 2902 | 220uF., 20%, 50V, Electrolytic . . . .   | 3198 | 026 | 52210 |
| 2228         | 820pF., 50V, Ceramic . . . . .           | 3198 016 08210 | 2903 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 51080 |
| 2229         | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 025 51090 | 2904 | 1uF., 16V, Ceramic. . . . .              | 3198 | 017 | 21050 |
| 2233         | 820pF., 50V, Ceramic . . . . .           | 3198 016 08210 | 2905 | 1000pF., 50V, Ceramic. . . . .           | 3198 | 016 | 01020 |
| 2241         | 4700pF., 50V, Ceramic. . . . .           | 3198 017 04720 | 2908 | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 | 025 | 51090 |
| 2242         | 1uF., 16V, Ceramic. . . . .              | 3198 017 21050 | 2941 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 51080 |
| 2243         | 2200pF., 50V, Ceramic. . . . .           | 3198 017 02220 | 2942 | 0.033uF., 50V, Ceramic . . . . .         | 3198 | 017 | 03330 |
| 2244         | 0.1uF., 10%, 63V, Metalized Polyester.   | 2222 370 75104 | 2943 | 0.1uF., 16V, Ceramic . . . . .           | 3198 | 017 | 01040 |
| 2245         | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 | 2944 | 0.047uF., 50V, Ceramic. . . . .          | 3198 | 017 | 24730 |
| 2246         | 4.7uF., 20%, 50V, Electrolytic . . . .   | 3198 025 54780 | 2945 | 0.01uF., 50V, Ceramic. . . . .           | 3198 | 017 | 01030 |
| 2247         | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 025 31010 | 2946 | 1uF., 16V, Ceramic. . . . .              | 3198 | 017 | 21050 |
| 2248         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2981 | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 | 025 | 31010 |
| 2249         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2982 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 2250         | 2.2uF., 20%, 50V, Electrolytic . . . .   | 3198 025 52280 | 2983 | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 | 025 | 31010 |
| 2252         | 1000pF., 50V, Ceramic . . . . .          | 3198 016 01020 | 2984 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 2253         | 1000pF., 50V, Ceramic. . . . .           | 3198 016 01020 | 3000 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2254         | 100pF., 50V, Ceramic . . . . .           | 3198 016 01010 | 3001 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2313         | 270pF., 50V, Ceramic . . . . .           | 3198 016 02710 | 3002 | Zero ohm "Chip" Jumper . . . . .         | 3198 | 021 | 90020 |
| 2323         | 390pF., 50V, Ceramic . . . . .           | 3198 016 03910 | 3003 | 1.5k, 5% . . . . .                       | 3198 | 021 | 51520 |
| 2331         | 390pF., 50V, Ceramic . . . . .           | 3198 016 03910 | 3004 | 8.2k, 5% . . . . .                       | 3198 | 021 | 58220 |
| 2341         | 2200pF., 1kV, 10%, Ceramic . . . . .     | 2020 558 90571 | 3005 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2342         | 0.047uF., 10%, 250V Metalized Polyester  | 2222 365 45473 | 3181 | 75 ohm, 5%, 1/6W Carbon. . . . .         | 3198 | 011 | 07590 |
| 2343         | 0.047uF., 10%, 250V Metalized Polyester  | 2222 365 45473 | 3182 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2401         | 680pF., 50V, Ceramic. . . . .            | 3198 019 16810 | 3183 | 150 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01510 |
| 2402         | 0.56uF., 5%, 250V, Metalized Polypropyl  |                | 3184 | 47k, 5%. . . . .                         | 3198 | 021 | 54730 |
|              | ene. . . . .                             | 2022 333 00088 | 3200 | 390 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 03910 |
| 2406         | 330pF., 50V, Ceramic . . . . .           | 3198 016 03310 | 3201 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2407         | 0.0082uF., 5%, 1.6kV, Metalized Polypro  |                | 3202 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
|              | pylene . . . . .                         | 2020 301 90247 | 3203 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2408         | 0.022uF., 50V, Ceramic . . . . .         | 3198 019 22230 | 3204 | 10k, 5%, 1/6W Carbon . . . . .           | 3198 | 011 | 01030 |
| 2409         | 47uF., 20%, 160V, Electrolytic . . . .   | 2020 021 91139 | 3206 | 100k, 5% . . . . .                       | 3198 | 021 | 51040 |
| 2410         | 470uF., 20%, 16V, Electrolytic . . . .   | 2020 021 91577 | 3207 | 1k, 5%, 1/6W Carbon. . . . .             | 3198 | 011 | 01020 |
| 2411         | 47uF., 20%, 25V, Electrolytic. . . . .   | 2020 021 90586 | 3208 | 220 ohm, 5%. . . . .                     | 3198 | 021 | 52210 |
| 2412         | 0.033uF., 10%, 100V, Metalized Polyester | 2222 347 90236 | 3209 | 68 ohm, 5% . . . . .                     | 3198 | 021 | 56890 |
| 2413         | 10uF., 20%, 250V, Electrolytic . . . .   | 2020 012 93495 | 3212 | 470 ohm, 5%. . . . .                     | 3198 | 021 | 54710 |
| 2414         | 1000uF., 20%, 16V, Electrolytic. . . .   | 2020 021 91049 | 3213 | 560 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 05610 |
| 2416         | 470pF., 2kV, 10%, Ceramic. . . . .       | 2020 558 90483 | 3217 | 330k, 5% . . . . .                       | 3198 | 021 | 53340 |
| 2417         | 1000uF., 20%, 16V, Electrolytic. . . .   | 2020 021 91049 | 3218 | 82k, 5%. . . . .                         | 3198 | 021 | 58230 |
| 2418         | 0.01uF., 50V, Ceramic . . . . .          | 3198 017 01030 | 3219 | 2.2k, 5% . . . . .                       | 3198 | 021 | 52220 |
| 2419         | 1uF., 20%, 50V, Electrolytic . . . . .   | 2020 021 91147 | 3226 | 560 ohm, 5%. . . . .                     | 3198 | 021 | 55610 |
| 2420         | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 025 51080 | 3232 | 2.2k, 5% . . . . .                       | 3198 | 021 | 52220 |
| 2421         | 0.047uF., 50V, Ceramic. . . . .          | 3198 017 24730 | 3235 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2422         | 470uF., 20%, 16V, Electrolytic . . . .   | 2020 021 91577 | 3241 | 22k, 5%. . . . .                         | 3198 | 021 | 52230 |
|              |  |                | 3242 | 27k, 5%. . . . .                         | 3198 | 021 | 52730 |



# 13PR11M121 (continued)

|      |  |                |      |  |                |
|------|--|----------------|------|--|----------------|
| 3244 | 820 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 08210 | 3531 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3245 | 39k, 5%. . . . .   | 3198 021 53930 | 3541 | 470 ohm, 5%. . . . .                       | 3198 021 54710 |
| 3246 | 10k, 5%. . . . .   | 3198 021 51030 | 3542 | 1.5k, 5%. . . . .                          | 3198 021 51520 |
| 3247 | 220k, 5%. . . . .  | 3198 021 52240 | 3543 | 82k, 1%, Metal Film. . . . .               | 2322 156 28203 |
| 3248 | 27k, 5%. . . . .   | 3198 021 52730 | 3544 | 6.8k, 1%, Metal Film . . . . .             | 2322 156 26802 |
| 3249 | 820 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 08210 | 3545 | 82k, 5%. . . . .                           | 3198 021 58230 |
| 3251 | 100 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01010 | 3546 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3254 | 1M, 5%. . . . .  | 3198 021 51050 | 3547 | 0.33 ohm, 5%, 1W, Power Resistor . . . . . | 3198 012 13370 |
| 3256 | 1k, 5%. . . . .  | 3198 021 51020 | 3548 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3257 | 10Meg, 5%. . . . .   | 3198 021 51060 | 3549 | 470 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 04710 |
| 3258 | 330k, 5%. . . . .  | 3198 021 53340 | 3552 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3259 | 470k, 5%. . . . .  | 3198 021 54740 | 3559 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3311 | 3.9k, 5%. . . . .  | 3198 021 53920 | 3561 | 220 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 02210 |
| 3312 | 330 ohm, 5%. . . . .   | 3198 021 53310 | 3562 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3313 | 10 ohm, 5%. . . . .  | 3198 021 51090 | 3563 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3314 | 18k, 5%, Metal Film. . . . .                                     | 2322 195 63183 | 3564 | 4.7 ohm, 5%, 2W, Power Resistor. . . . .   | 3198 012 24780 |
| 3316 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3565 | 330 ohm, 5%, 1W, Power Resistor. . . . .   | 3198 012 13310 |
| 3317 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3566 | 2.2k, 5%. . . . .                          | 3198 021 52220 |
| 3321 | 3.9k, 5%. . . . .  | 3198 021 53920 | 3569 | 5.6k, 5%. . . . .                          | 3198 021 55620 |
| 3322 | 330 ohm, 5%. . . . .   | 3198 021 53310 | 3580 | 47k, 5%. . . . .                           | 3198 021 54730 |
| 3323 | 10 ohm, 5%. . . . .  | 3198 021 51090 | 3603 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3324 | 18k, 5%, Metal Film. . . . .                                     | 2322 195 63183 | 3604 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3326 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3605 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3327 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3606 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3331 | 3.9k, 5%. . . . .  | 3198 021 53920 | 3607 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3332 | 330 ohm, 5%. . . . .   | 3198 021 53310 | 3608 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3333 | 10 ohm, 5%. . . . .  | 3198 021 51090 | 3611 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3334 | 18k, 5%, Metal Film. . . . .                                     | 2322 195 63183 | 3614 | 4.7k, 5%, 1/6W Carbon. . . . .             | 3198 011 04720 |
| 3336 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3615 | 10k, 5%, 1/6W Carbon . . . . .             | 3198 011 01030 |
| 3337 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3617 | 4.7k, 5%, 1/6W Carbon. . . . .             | 3198 011 04720 |
| 3341 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3618 | 6.8k, 5%, 1/6W Carbon. . . . .             | 3198 011 06820 |
| 3347 | 220 ohm, 5% Fusible Resistor NFR25 . . . . .                     | 2306 204 03221 | 3619 | 8.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 08220 |
| 3348 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3622 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3349 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                     | 2306 204 03158 | 3623 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3350 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                     | 2306 204 03158 | 3624 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3401 | 330k, 5%. . . . .  | 2322 242 13334 | 3625 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3402 | 18k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01830 | 3626 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3403 | 22 ohm, 5%, 3W, Power Resistor . . . . .                         | 3198 012 32290 | 3627 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3404 | 6.8 ohm, 5%, Fusible Resistor NFR25. . . . .                     | 2306 204 03688 | 3628 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3406 | 10k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01030 | 3630 | 2.2k, 5%. . . . .                          | 3198 021 52220 |
| 3407 | 220 ohm, 5%, 3W, Power Resistor. . . . .                         | 3198 012 32210 | 3632 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3408 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 3636 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3410 | 33k, 5%. . . . .   | 3198 021 53330 | 3681 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3411 | 10 ohm, 5% Fusible Resistor NFR25. . . . .                       | 2306 204 03109 | 3682 | 3.3k, 5%. . . . .                          | 3198 021 53320 |
| 3412 | 3.3k, 1%, Metal Film . . . . .                                   | 2322 156 23302 | 3683 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3413 | 10k, 5%. . . . .   | 3198 021 51030 | 3684 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3414 | 1.5k, 1%, Metal Film . . . . .                                   | 2322 156 21502 | 3685 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3415 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 3686 | 1.5k, 5%. . . . .                          | 3198 021 51520 |
| 3416 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3691 | 330 ohm, 5%. . . . .                       | 3198 021 53310 |
| 3417 | 33k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 03330 | 3693 | 220 ohm, 5%. . . . .                       | 3198 021 52210 |
| 3418 | 33k, 5%. . . . .   | 3198 021 53330 | 3694 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3419 | 6.8k, 5%. . . . .  | 3198 021 56820 | 3901 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3420 | 33k, 5%. . . . .   | 3198 021 53330 | 3902 | 3.3k, 5%. . . . .                          | 3198 021 53320 |
| 3421 | 6.8 ohm, 5%, 2W, Power Resistor. . . . .                         | 3198 012 26880 | 3903 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3422 | 100 ohm, 5%. . . . .   | 3198 021 51010 | 3904 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3423 | 820 ohm, 5%. . . . .   | 3198 021 58210 | 3907 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3424 | 100 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01010 | 3941 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3425 | 15k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01530 | 3942 | 3.9k, 5%. . . . .                          | 3198 021 53920 |
| 3426 | 1M, 5%. . . . .  | 3198 021 51050 | 3943 | 2.7k, 5%. . . . .                          | 3198 021 52720 |
| 3427 | 12k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01230 | 3944 | 2.7k, 5%. . . . .                          | 3198 021 52720 |
| 3428 | 39 ohm, 5% Fusible Resistor NFR25H . . . . .                     | 2306 207 03399 | 3945 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3431 | 3.3k, 5%. . . . .  | 3198 021 53320 | 3946 | 18k, 5%. . . . .                           | 3198 021 51830 |
| 3432 | 22 ohm, 5%, 1/6W Carbon. . . . .                                 | 3198 011 02290 | 3947 | 330 ohm, 5%. . . . .                       | 3198 021 53310 |
| 3471 | 6.8 ohm, 1%, Metal Film. . . . .                                 | 2322 156 26808 | 3948 | 47k, 5%. . . . .                           | 3198 021 54730 |
| 3472 | 3.9 ohm, 1%, Metal Film. . . . .                                 | 2322 156 23908 | 3949 | 15k, 5%. . . . .                           | 3198 021 51530 |
| 3473 | 2.2k, 1%, Metal Film . . . . .                                   | 2322 156 22202 | 3950 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3474 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 3951 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3475 | 2.2k, 1%, Metal Film . . . . .                                   | 2322 156 22202 | 3981 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3476 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                     | 2306 204 03158 | 3982 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3477 | 220 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02210 | 4001 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3478 | 220 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02210 | 4002 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3479 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 4181 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3500 | 3.3Meg, 5%. . . . .  | 2322 242 13335 | 4212 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3501 | 3.3Meg, 5%. . . . .  | 2322 242 13335 | 4216 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3502 | 4.7 ohm, 20%, 3.1W, Negative Temperature<br>Coefficient. . . . . | 2122 612 00055 | 4217 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3503 | 10 ohm, 30%, 120V, Positive Temperature<br>Coefficient. . . . .  | 2120 661 00026 | 4410 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3506 | Jumper Wire. . . . .   | 0322 179 00003 | 4501 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3507 | Surge Protector DSP-301N-A21F. . . . .                           | 2422 549 43073 | 4613 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3519 | 270 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02710 | 4614 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3520 | 1.2k, 5%. . . . .  | 3198 021 51220 | 4615 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3521 | 4.7 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 04780 | 4616 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3522 | 330k, 5%. . . . .  | 3198 021 53340 | 4617 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3523 | 100 ohm, 5%, Fusible Resistor NFR25 . . . . .                    | 2306 204 03101 | 4618 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3524 | 56k, 5%. . . . .   | 3198 021 55630 | 4619 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3525 | 1k, 5%. . . . .  | 3198 021 51020 | 4622 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3526 | 0.15 ohm, 5%, 1W, Power Resistor . . . . .                       | 3198 012 11570 | 4623 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3527 | 2.2k ohm, 5%, Fusible Resistor NFR25 . . . . .                   | 2306 204 03222 | 4691 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3528 | 10k, 5%. . . . .   | 3198 021 51030 | 4692 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3529 | 47k, 5%. . . . .   | 3198 021 54730 | 4693 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3530 | 4.7k, 5%. . . . .  | 3198 021 54720 | 4807 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |  |                | 4811 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |  |                | 4812 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |

S = Safety Part Be sure to use exact replacement part.

## 13PR11M121 (continued)

|      |  |                |      |                                    |                |
|------|--|----------------|------|------------------------------------|----------------|
| 4813 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7405 | Transistor BC857B . . . . .        | 3198 010 42150 |
| 4814 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7406 | Transistor BC857B . . . . .        | 3198 010 42150 |
| 4901 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7407 | Power Transistor BD135-16. . . . . | 3198 020 41190 |
| 4911 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7408 | Power Transistor BD135-17. . . . . | 3198 020 41190 |
| 4982 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7409 | Transistor BC857B . . . . .        | 3198 010 42150 |
| 5001 | Fixed Inductor, 5.6uH, 10% . . . . .             | 3198 018 25680 | 7471 | IC, TDA9302H . . . . .             | 9322 088 25682 |
| 5002 | Fixed Inductor, 0.82uH, 10% . . . . .            | 3198 018 18270 | 7515 | Opto-Coupler, TCET1103(G). . . . . | 9322 140 14667 |
| 5201 | Fixed Inductor, 6.8uH, 5% . . . . .              | 3198 018 16880 | 7520 | IC, TEA1507P/N1. . . . .           | 9352 673 56112 |
| 5202 | Fixed Inductor, 10uH, 10% . . . . .              | 3198 018 21090 | 7521 | Power FET, STP5NC50FP. . . . .     | 9322 160 71687 |
| 5241 | Fixed Inductor, 10uH, 10% . . . . .              | 3198 018 21090 | 7522 | Transistor BC847B . . . . .        | 3198 010 42030 |
| 5242 | Fixed Inductor, 10uH, 5% . . . . .               | 3198 018 11090 | 7540 | Transistor BC547B. . . . .         | 3198 020 40030 |
| 5341 | Fixed Inductor, 12uH, 5% SPT0508 . . . . .       | 2422 535 95598 | 7541 | Transistor PDTO114ET. . . . .      | 9340 310 10215 |
| 5342 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 7542 | Transistor BC857B . . . . .        | 3198 010 42150 |
| 5403 | Fixed Inductor, 27uH, 10%, LHL08 . . . . .       | 2422 535 94888 | 7560 | IC, L78L33ACZ. . . . .             | 9322 134 92676 |
| 5408 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7561 | Transistor PDTO143ZT. . . . .      | 9340 547 00215 |
| 5410 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7602 | IC M24C16-WBN6 . . . . .           | 9322 147 25682 |
| 5444 | Signal Driver Transformer SC10009-03. . . . .    | 2422 531 02446 | 7902 | IC, AN7523N. . . . .               | 9322 158 66667 |
| 5445 | LOT Transformer MSLOT4 . . . . .                 | 3128 138 21541 | 7941 | Transistor BC847B . . . . .        | 3198 010 42030 |
| 5502 | AC Filter. . . . .                               | 2422 549 44284 | 7942 | Transistor BC847B . . . . .        | 3198 010 42030 |
| 5520 | Transformer SS28011-04. . . . .                  | 2422 531 02458 | 7943 | Transistor BC847B . . . . .        | 3198 010 42030 |
| 5521 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9181 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5560 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9503 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5561 | Fixed Inductor, 27uH, 10% . . . . .              | 3198 018 22790 | 9692 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5562 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9696 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5563 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9814 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5602 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9820 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5603 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9821 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5604 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9822 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5833 | Jumper Wire. . . . .                             | 0322 179 00003 | 9824 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6001 | Diode Regulator, BZX79-C33 (33Volt). . . . .     | 3198 010 23390 | 9825 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6201 | Diode, BAV21 . . . . .                           | 3198 010 10630 | 9825 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6202 | Diode, BAS316 . . . . .                          | 3198 010 10630 | 9826 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6206 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 | 9827 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6241 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 | 9828 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6311 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9829 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6321 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9830 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6331 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9832 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6341 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9833 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6342 | Diode, 1N4148. . . . .                           | 3198 010 10010 | 9982 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6343 | Diode Regulator, BZX384-C8V2 (8.2Volt) . . . . . | 3198 020 58280 | CBA  | Main Chassis . . . . .             | 3139 178 85481 |
| 6401 | Diode, BAV21 . . . . .                           | 3198 010 10070 |      |                                    |                |
| 6402 | Diode Rectifier, BYV27-200 . . . . .             | 9322 126 72673 |      |                                    |                |
| 6404 | Diode Rectifier, BYD33D. . . . .                 | 9337 410 30133 |      |                                    |                |
| 6405 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6406 | Diode, BAV70. . . . .                            | 9331 849 10215 |      |                                    |                |
| 6407 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6408 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6409 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6410 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6413 | Diode, 1N4148. . . . .                           | 3198 010 10010 |      |                                    |                |
| 6414 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 |      |                                    |                |
| 6415 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6419 | Diode Regulator, BZX79-C5V6 (5.6Volt). . . . .   | 3198 010 25680 |      |                                    |                |
| 6420 | Diode Regulator, BZX79-C9V1 (9.1Volt). . . . .   | 9331 177 80133 |      |                                    |                |
| 6423 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6471 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6500 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |                                    |                |
| 6501 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |                                    |                |
| 6502 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |                                    |                |
| 6503 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |                                    |                |
| 6520 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6523 | Diode, 1N4148. . . . .                           | 3198 010 10010 |      |                                    |                |
| 6540 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 |      |                                    |                |
| 6541 | Diode Regulator, BZX79-C10 (10Volt). . . . .     | 3198 010 21090 |      |                                    |                |
| 6560 | Diode Rectifier, BYW76-RAS15/10. . . . .         | 9322 127 32682 |      |                                    |                |
| 6562 | Diode Rectifier, EGP20DL-5100. . . . .           | 9322 164 42682 |      |                                    |                |
| 6563 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6565 | Diode, BAV70. . . . .                            | 9331 849 10215 |      |                                    |                |
| 6566 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6569 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6570 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 |      |                                    |                |
| 6681 | Diode, BAT85 . . . . .                           | 9336 247 60133 |      |                                    |                |
| 6691 | LED, VS LTL-10224WHCR. . . . .                   | 9322 050 99682 |      |                                    |                |
| 6692 | IR Receiver, TSOP1836UH3V. . . . .               | 9322 127 54667 |      |                                    |                |
| 6901 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 7200 | IC, 2US1 Software Cluster. . . . .               | 9352 699 88557 |      |                                    |                |
| 7201 | Transistor BC847B . . . . .                      | 3198 010 42030 |      |                                    |                |
| 7204 | Transistor BC857B . . . . .                      | 3198 010 42150 |      |                                    |                |
| 7241 | Transistor PDTA114ET. . . . .                    | 3198 010 44010 |      |                                    |                |
| 7311 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7312 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7313 | Transistor BF423 . . . . .                       | 3198 020 43020 |      |                                    |                |
| 7321 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7322 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7323 | Transistor BF423 . . . . .                       | 3198 020 43020 |      |                                    |                |
| 7331 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7332 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7333 | Transistor BF423 . . . . .                       | 3198 020 43020 |      |                                    |                |
| 7401 | Transistor PDTO143ZT. . . . .                    | 9340 547 00215 |      |                                    |                |
| 7402 | Power Transistor BUT11APX-1200 . . . . .         | 9340 563 21127 |      |                                    |                |
| 7403 | Transistor BC337-25. . . . .                     | 3198 020 43530 |      |                                    |                |
| 7404 | Transistor BC636 . . . . .                       | 9332 219 50126 |      |                                    |                |

S = Safety Part Be sure to use exact replacement part.

## Model 13PR11M/121 Cabinet Parts

|        | Model 13PR11M/121 Cabinet Parts          |                |
|--------|--|----------------|
| S AC01 | AC Power Cord. . . . .                   | 3135 010 04751 |
| AC03   | Cabinet Back . . . . .                   | 3139 137 90281 |
| AC04   | Cabinet Front. . . . .                   | 3139 137 78161 |
| AC05   | Chassis Guide. . . . .                   | 3139 124 34091 |
| AC06   | Control Buttons. . . . .                 | 3139 137 79211 |
| S AC08 | CRT A34EJM34X113 . . . . .               | 9301 815 60361 |
| S AC09 | Degaussing Coil. . . . .                 | 2422 549 44427 |
| AC10   | Degaussing Coil Holder (2 used). . . . . | 3135 013 01641 |
| AC11   | Light Guide. . . . .                     | 3139 124 35851 |
| AC13   | Owner's Manual . . . . .                 | 3121 235 20031 |
| AC14   | Power Button . . . . .                   | 3139 137 79201 |
| REMOTE | Remote Transmitter . . . . .             | 3139 228 87531 |
| AC16   | Speaker, 8W, 16 ohm. . . . .             | 2422 264 00407 |
| S AC18 | Deflection Yoke. . . . .                 | 3306 133 24671 |
| AC21   | Batteries f Remote Transmitter . . . . . | 9299 000 65263 |
| AC24   | Degaussing Coil Spring . . . . .         | 3139 121 26231 |
| AC32   | Assembly Braid . . . . .                 | 3135 010 07331 |
| AC33   | Cabinet Door . . . . .                   | 3139 137 80281 |

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## Main Chassis

|              |  |                |      |  |      |     |       |
|--------------|--|----------------|------|--|------|-----|-------|
| Main Chassis |  |                | 2423 | 10uF., 20%, 100V, Electrolytic . . . .   | 2020 | 021 | 90813 |
| 0127         | 2 Pin Fuse Socket. . . . .               | 3122 358 71251 | 2471 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 0138         | IC-SPRING FOR ITEM 7471 (IC TDA9302H).   | 3104 301 22081 | 2472 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 0139         | IC-SPRING 7402 . . . . .                 | 3139 121 24581 | 2473 | 100uF., 20%, 50V, Electrolytic . . . .   | 2020 | 021 | 90587 |
| 0211         | 2 Pin Connector (AC Input Plug). . . .   | 2422 025 16269 | 2475 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 0212         | 2 Pin Connector (Degaussing Plug (RED))  | 2422 025 16375 | 2476 | 0.22uF., 10%, 50V, Metalized Polyester   | 3198 | 014 | 02240 |
| 0217         | 3 Pin Connector. . . . .                 | 2412 020 00725 | 2477 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 0218         | 2 Pin Connector. . . . .                 | 2422 026 04637 | 2500 | 0.47uF., 20%, 275V, Metalized Polypropyl |      |     |       |
| 0220         | 3 Pin Connector. . . . .                 | 2422 025 04851 |      | ene. . . . .                             | 2022 | 330 | 00018 |
| 0221         | 6 Pin Connector. . . . .                 | 2422 025 15503 | 2501 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0222         | 2 Pin Connector. . . . .                 | 2422 025 10646 | 2502 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0232         | Headphone Jack . . . . .                 | 2422 026 04747 | 2503 | 220uF., 20%, 200V, Electrolytic . . . .  | 2020 | 024 | 90557 |
| 0243         | 6 Pin Connector. . . . .                 | 2422 025 04854 | 2504 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0244         | 3 Pin Connector. . . . .                 | 2422 025 04851 | 2505 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0245         | 6 Pin Connector. . . . .                 | 2422 025 04854 | 2506 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0246         | 3 Pin Connector. . . . .                 | 2412 020 00725 | 2508 | 470pF., 1kV, 10%, Ceramic. . . . .       | 3198 | 019 | 64710 |
| 0254         | 9 Pin CRT Socket (M-NECK). . . . .       | 2422 500 80068 | 2515 | 1500pF., 250V, 20%, Ceramic. . . . .     | 2020 | 554 | 90172 |
| 1000         | Tuner V+U PLL F ENV56D98G3 . . . . .     | 2422 542 90108 | 2520 | 0.1uF., 16V, Ceramic . . . . .           | 3198 | 017 | 01040 |
| 1002         | 45.75 MHz Saw Filter F072TPL-A . . . .   | 2422 549 44327 | 2521 | 22uF., 20%, 50V, Electrolytic. . . . .   | 3198 | 025 | 52290 |
| 1200         | 4.5MHz Ceramic Filter, TPS*MB. . . . .   | 2422 549 40807 | 2522 | 0.1uF., 16V, Ceramic . . . . .           | 3198 | 017 | 01040 |
| 1500         | 5 Amp, 250V, Fuse (5X20) . . . . .       | 2422 086 10905 | 2523 | 1500pF., 2kV, 10%, Ceramic . . . . .     | 2020 | 558 | 90489 |
| 1600         | Tact Switch. . . . .                     | 2422 128 02742 | 2525 | 470pF., 50V, Ceramic. . . . .            | 3198 | 017 | 04710 |
| 1601         | Tact Switch. . . . .                     | 2422 128 02742 | 2526 | 0.001uF., 50V, Ceramic . . . . .         | 3198 | 017 | 01020 |
| 1602         | Tact Switch. . . . .                     | 2422 128 02742 | 2527 | 470pF., 50V, Ceramic. . . . .            | 3198 | 017 | 04710 |
| 1603         | Tact Switch. . . . .                     | 2422 128 02742 | 2540 | 0.015uF., 50V, Ceramic . . . . .         | 3198 | 017 | 01530 |
| 1606         | Tact Switch. . . . .                     | 2422 128 02742 | 2560 | 1000pF., 1kV, 10%, Ceramic . . . . .     | 3198 | 019 | 61020 |
| 1660         | 12MHz, Crystal Resonator, HC49/U A . .   | 2422 543 01203 | 2561 | 47uF., 20%, 160V, Electrolytic . . . . . | 2020 | 021 | 91358 |
| 2004         | 0.047uF., 25V, Ceramic . . . . .         | 3198 023 04730 | 2562 | 1000pF., 50V, Ceramic . . . . .          | 3198 | 019 | 11020 |
| 2005         | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 025 51090 | 2563 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 2006         | 470uF., 20%, 16V, Electrolytic . . . . . | 3198 025 24710 | 2564 | 2200uF., 20%, 16V, Electrolytic. . . . . | 2020 | 012 | 93057 |
| 2007         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2565 | 470pF., 1kV, 10%, Ceramic. . . . .       | 3198 | 019 | 64710 |
| 2008         | 100uF., 20%, 25V, Electrolytic . . . . . | 3198 025 31010 | 2567 | 47uF., 20%, 25V, Electrolytic. . . . .   | 3198 | 025 | 34790 |
| 2009         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2568 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 51080 |
| 2181         | 22pF., 50V, Ceramic. . . . .             | 3198 016 02290 | 2569 | 470pF., 50V, Ceramic. . . . .            | 3198 | 017 | 04710 |
| 2182         | 330pF., 50V, Ceramic . . . . .           | 3198 016 03310 | 2580 | 47uF., 20%, 25V, Electrolytic. . . . .   | 3198 | 025 | 34790 |
| 2184         | 2.2uF., 10V, Ceramic . . . . .           | 3198 017 22250 | 2601 | 0.22uF., 25V, Ceramic. . . . .           | 3198 | 023 | 22240 |
| 2202         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2602 | 100pF., 50V, Ceramic . . . . .           | 3198 | 016 | 01010 |
| 2203         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2606 | 1000pF., 50V, Ceramic. . . . .           | 3198 | 016 | 01020 |
| 2204         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2607 | 33pF., 50V, Ceramic. . . . .             | 3198 | 016 | 03390 |
| 2205         | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 | 2608 | 0.1uF., 25V, Ceramic. . . . .            | 3198 | 023 | 21040 |
| 2208         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2609 | 33pF., 50V, Ceramic. . . . .             | 3198 | 016 | 03390 |
| 2209         | 4.7uF., 20%, 50V, Electrolytic . . . . . | 3198 025 54780 | 2611 | 0.1uF., 25V, Ceramic. . . . .            | 3198 | 023 | 21040 |
| 2210         | 0.47uF., 20%, 50V, Electrolytic. . . . . | 3198 025 54770 | 2612 | 22pF., 50V, Ceramic. . . . .             | 3198 | 016 | 02290 |
| 2211         | 0.47uF., 16V, Ceramic . . . . .          | 3198 017 24740 | 2613 | 22pF., 50V, Ceramic. . . . .             | 3198 | 016 | 02290 |
| 2216         | 100uF., 20%, 25V, Electrolytic . . . . . | 3198 025 31010 | 2615 | 1000pF., 50V, Ceramic. . . . .           | 3198 | 016 | 01020 |
| 2217         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2618 | 0.01uF., 50V, Ceramic. . . . .           | 3198 | 017 | 01030 |
| 2219         | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 | 2619 | 1uF., 16V, Ceramic. . . . .              | 3198 | 017 | 21050 |
| 2226         | 4700pF., 50V, Ceramic. . . . .           | 3198 017 04720 | 2691 | 100uF., 20%, 25V, Electrolytic . . . . . | 3198 | 025 | 31010 |
| 2227         | 4700pF., 50V, Ceramic. . . . .           | 3198 017 04720 | 2902 | 220uF., 20%, 50V, Electrolytic . . . . . | 3198 | 026 | 52210 |
| 2228         | 820pF., 50V, Ceramic . . . . .           | 3198 016 08210 | 2903 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 51080 |
| 2229         | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 025 51090 | 2904 | 1uF., 16V, Ceramic. . . . .              | 3198 | 017 | 21050 |
| 2233         | 820pF., 50V, Ceramic . . . . .           | 3198 016 08210 | 2905 | 1000pF., 50V, Ceramic. . . . .           | 3198 | 016 | 01020 |
| 2241         | 4700pF., 50V, Ceramic. . . . .           | 3198 017 04720 | 2908 | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 | 025 | 51090 |
| 2242         | 1uF., 16V, Ceramic. . . . .              | 3198 017 21050 | 2941 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 51080 |
| 2243         | 2200pF., 50V, Ceramic. . . . .           | 3198 017 02220 | 2942 | 0.033uF., 50V, Ceramic . . . . .         | 3198 | 017 | 03330 |
| 2244         | 0.1uF., 10%, 63V, Metalized Polyester.   | 2222 370 75104 | 2943 | 0.1uF., 16V, Ceramic . . . . .           | 3198 | 017 | 01040 |
| 2245         | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 | 2944 | 0.047uF., 50V, Ceramic. . . . .          | 3198 | 017 | 24730 |
| 2246         | 4.7uF., 20%, 50V, Electrolytic . . . . . | 3198 025 54780 | 2945 | 0.01uF., 50V, Ceramic. . . . .           | 3198 | 017 | 01030 |
| 2247         | 100uF., 20%, 25V, Electrolytic . . . . . | 3198 025 31010 | 2946 | 1uF., 16V, Ceramic. . . . .              | 3198 | 017 | 21050 |
| 2248         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2981 | 100uF., 20%, 25V, Electrolytic . . . . . | 3198 | 025 | 31010 |
| 2249         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2982 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 2250         | 2.2uF., 20%, 50V, Electrolytic . . . . . | 3198 025 52280 | 2983 | 100uF., 20%, 25V, Electrolytic . . . . . | 3198 | 025 | 31010 |
| 2252         | 1000pF., 50V, Ceramic . . . . .          | 3198 016 01020 | 2984 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 2253         | 1000pF., 50V, Ceramic . . . . .          | 3198 016 01020 | 3000 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2254         | 100pF., 50V, Ceramic . . . . .           | 3198 016 01010 | 3001 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2313         | 270pF., 50V, Ceramic . . . . .           | 3198 016 02710 | 3002 | Zero ohm "Chip" Jumper . . . . .         | 3198 | 021 | 90020 |
| 2323         | 390pF., 50V, Ceramic . . . . .           | 3198 016 03910 | 3003 | 1.5k, 5% . . . . .                       | 3198 | 021 | 51520 |
| 2331         | 390pF., 50V, Ceramic . . . . .           | 3198 016 03910 | 3004 | 8.2k, 5% . . . . .                       | 3198 | 021 | 58220 |
| 2341         | 2200pF., 1kV, 10%, Ceramic . . . . .     | 2020 558 90571 | 3005 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2342         | 0.047uF., 10%, 250V Metalized Polyester  | 2222 365 45473 | 3181 | 75 ohm, 5%, 1/6W Carbon. . . . .         | 3198 | 011 | 07590 |
| 2343         | 0.047uF., 10%, 250V Metalized Polyester  | 2222 365 45473 | 3182 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2401         | 680pF., 50V, Ceramic. . . . .            | 3198 019 16810 | 3183 | 150 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01510 |
| 2402         | 0.56uF., 5%, 250V, Metalized Polypropyl  |                | 3184 | 47k, 5%. . . . .                         | 3198 | 021 | 54730 |
|              | ene. . . . .                             | 2022 333 00088 | 3200 | 390 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 03910 |
| 2406         | 330pF., 50V, Ceramic . . . . .           | 3198 016 03310 | 3201 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2407         | 0.0082uF., 5%, 1.6kV, Metalized Polypro  |                | 3202 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
|              | pylene . . . . .                         | 2020 301 90247 | 3203 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2408         | 0.022uF., 50V, Ceramic . . . . .         | 3198 019 22230 | 3204 | 10k, 5%, 1/6W Carbon . . . . .           | 3198 | 011 | 01030 |
| 2409         | 47uF., 20%, 160V, Electrolytic . . . . . | 2020 021 91139 | 3206 | 100k, 5% . . . . .                       | 3198 | 021 | 51040 |
| 2410         | 470uF., 20%, 16V, Electrolytic . . . . . | 2020 021 91577 | 3207 | 1k, 5%, 1/6W Carbon. . . . .             | 3198 | 011 | 01020 |
| 2411         | 47uF., 20%, 25V, Electrolytic. . . . .   | 2020 021 90586 | 3208 | 220 ohm, 5%. . . . .                     | 3198 | 021 | 52210 |
| 2412         | 0.033uF., 10%, 100V, Metalized Polyester | 2222 347 90236 | 3209 | 68 ohm, 5% . . . . .                     | 3198 | 021 | 56890 |
| 2413         | 10uF., 20%, 250V, Electrolytic . . . . . | 2020 012 93495 | 3212 | 470 ohm, 5%. . . . .                     | 3198 | 021 | 54710 |
| 2414         | 1000uF., 20%, 16V, Electrolytic. . . . . | 2020 021 91049 | 3213 | 560 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 05610 |
| 2416         | 470pF., 2kV, 10%, Ceramic. . . . .       | 2020 558 90483 | 3217 | 330k, 5% . . . . .                       | 3198 | 021 | 53340 |
| 2417         | 1000uF., 20%, 16V, Electrolytic. . . . . | 2020 021 91049 | 3218 | 82k, 5%. . . . .                         | 3198 | 021 | 58230 |
| 2418         | 0.01uF., 50V, Ceramic . . . . .          | 3198 017 01030 | 3219 | 2.2k, 5%. . . . .                        | 3198 | 021 | 52220 |
| 2419         | 1uF., 20%, 50V, Electrolytic . . . . .   | 2020 021 91147 | 3226 | 560 ohm, 5%. . . . .                     | 3198 | 021 | 55610 |
| 2420         | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 025 51080 | 3232 | 2.2k, 5% . . . . .                       | 3198 | 021 | 52220 |
| 2421         | 0.047uF., 50V, Ceramic. . . . .          | 3198 017 24730 | 3235 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2422         | 470uF., 20%, 16V, Electrolytic . . . . . | 2020 021 91577 | 3241 | 22k, 5%. . . . .                         | 3198 | 021 | 52230 |
|              |  |                | 3242 | 27k, 5%. . . . .                         | 3198 | 021 | 52730 |

S = Safety Part Be sure to use exact replacement part.

# 13PR12W121 (continued)

|      |   |                |      |  |                |
|------|---|----------------|------|--|----------------|
| 3244 | 820 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 08210 | 3531 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3245 | 39k, 5%. . . . .  | 3198 021 53930 | 3541 | 470 ohm, 5%. . . . .                       | 3198 021 54710 |
| 3246 | 10k, 5%. . . . .  | 3198 021 51030 | 3542 | 1.5k, 5%. . . . .                          | 3198 021 51520 |
| 3247 | 220k, 5%. . . . .   | 3198 021 52240 | 3543 | 82k, 1%, Metal Film. . . . .               | 2322 156 28203 |
| 3248 | 27k, 5%. . . . .  | 3198 021 52730 | 3544 | 6.8k, 1%, Metal Film . . . . .             | 2322 156 26802 |
| 3249 | 820 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 08210 | 3545 | 82k, 5%. . . . .                           | 3198 021 58230 |
| 3251 | 100 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 01010 | 3546 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3254 | 1M, 5%. . . . .   | 3198 021 51050 | 3547 | 0.33 ohm, 5%, 1W, Power Resistor . . . . . | 3198 012 13370 |
| 3256 | 1k, 5%. . . . .   | 3198 021 51020 | 3548 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3257 | 10Meg, 5%. . . . .  | 3198 021 51060 | 3549 | 470 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 04710 |
| 3258 | 330k, 5%. . . . .   | 3198 021 53340 | 3552 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3259 | 470k, 5%. . . . .   | 3198 021 54740 | 3559 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3311 | 3.9k, 5%. . . . .   | 3198 021 53920 | 3561 | 220 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 02210 |
| 3312 | 330 ohm, 5%. . . . .  | 3198 021 53310 | 3562 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3313 | 10 ohm, 5%. . . . .   | 3198 021 51090 | 3563 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3314 | 18k, 5%, Metal Film. . . . .                                  | 2322 195 63183 | 3564 | 4.7 ohm, 5%, 2W, Power Resistor. . . . .   | 3198 012 24780 |
| 3316 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                  | 2306 204 03689 | 3565 | 330 ohm, 5%, 1W, Power Resistor. . . . .   | 3198 012 13310 |
| 3317 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3566 | 2.2k, 5%. . . . .                          | 3198 021 52220 |
| 3321 | 3.9k, 5%. . . . .   | 3198 021 53920 | 3569 | 5.6k, 5%. . . . .                          | 3198 021 55620 |
| 3322 | 330 ohm, 5%. . . . .  | 3198 021 53310 | 3580 | 47k, 5%. . . . .                           | 3198 021 54730 |
| 3323 | 10 ohm, 5%. . . . .   | 3198 021 51090 | 3603 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3324 | 18k, 5%, Metal Film. . . . .                                  | 2322 195 63183 | 3604 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3326 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                  | 2306 204 03689 | 3605 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3327 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3606 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3331 | 3.9k, 5%. . . . .   | 3198 021 53920 | 3607 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3332 | 330 ohm, 5%. . . . .  | 3198 021 53310 | 3608 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3333 | 10 ohm, 5%. . . . .   | 3198 021 51090 | 3611 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3334 | 18k, 5%, Metal Film. . . . .                                  | 2322 195 63183 | 3614 | 4.7k, 5%, 1/6W Carbon. . . . .             | 3198 011 04720 |
| 3336 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                  | 2306 204 03689 | 3615 | 10k, 5%, 1/6W Carbon . . . . .             | 3198 011 01030 |
| 3337 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3617 | 4.7k, 5%, 1/6W Carbon. . . . .             | 3198 011 04720 |
| 3341 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3618 | 6.8k, 5%, 1/6W Carbon. . . . .             | 3198 011 06820 |
| 3347 | 220 ohm, 5% Fusible Resistor NFR25 . . . . .                  | 2306 204 03221 | 3619 | 8.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 08220 |
| 3348 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3622 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3349 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                  | 2306 204 03158 | 3623 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3350 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                  | 2306 204 03158 | 3624 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3401 | 330k, 5%. . . . .   | 2322 242 13334 | 3625 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3402 | 18k, 5%, 1/6W Carbon . . . . .                                | 3198 011 01830 | 3626 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3403 | 22 ohm, 5%, 3W, Power Resistor . . . . .                      | 3198 012 32290 | 3627 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3404 | 6.8 ohm, 5%, Fusible Resistor NFR25. . . . .                  | 2306 204 03688 | 3628 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3406 | 10k, 5%, 1/6W Carbon . . . . .                                | 3198 011 01030 | 3630 | 2.2k, 5%. . . . .                          | 3198 021 52220 |
| 3407 | 220 ohm, 5%, 3W, Power Resistor. . . . .                      | 3198 012 32210 | 3632 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3408 | 1k, 5%, 1/6W Carbon. . . . .                                  | 3198 011 01020 | 3636 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3410 | 33k, 5%. . . . .  | 3198 021 53330 | 3681 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3411 | 10 ohm, 5% Fusible Resistor NFR25. . . . .                    | 2306 204 03109 | 3682 | 3.3k, 5%. . . . .                          | 3198 021 53320 |
| 3412 | 3.3k, 1%, Metal Film . . . . .                                | 2322 156 23302 | 3683 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3413 | 10k, 5%. . . . .  | 3198 021 51030 | 3684 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3414 | 1.5k, 1%, Metal Film . . . . .                                | 2322 156 21502 | 3685 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3415 | 1k, 5%, 1/6W Carbon. . . . .                                  | 3198 011 01020 | 3686 | 1.5k, 5%. . . . .                          | 3198 021 51520 |
| 3416 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                  | 2306 204 03689 | 3691 | 330 ohm, 5%. . . . .                       | 3198 021 53310 |
| 3417 | 33k, 5%, 1/6W Carbon . . . . .                                | 3198 011 03330 | 3693 | 220 ohm, 5%. . . . .                       | 3198 021 52210 |
| 3418 | 33k, 5%. . . . .  | 3198 021 53330 | 3694 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3419 | 6.8k, 5%. . . . .   | 3198 021 56820 | 3901 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3420 | 33k, 5%. . . . .  | 3198 021 53330 | 3902 | 3.3k, 5%. . . . .                          | 3198 021 53320 |
| 3421 | 6.8 ohm, 5%, 2W, Power Resistor. . . . .                      | 3198 012 26880 | 3903 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3422 | 100 ohm, 5%. . . . .  | 3198 021 51010 | 3904 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3423 | 820 ohm, 5%. . . . .  | 3198 021 58210 | 3907 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3424 | 100 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 01010 | 3941 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3425 | 15k, 5%, 1/6W Carbon . . . . .                                | 3198 011 01530 | 3942 | 3.9k, 5%. . . . .                          | 3198 021 53920 |
| 3426 | 1M, 5%. . . . .   | 3198 021 51050 | 3943 | 2.7k, 5%. . . . .                          | 3198 021 52720 |
| 3427 | 12k, 5%, 1/6W Carbon . . . . .                                | 3198 011 01230 | 3944 | 2.7k, 5%. . . . .                          | 3198 021 52720 |
| 3428 | 39 ohm, 5% Fusible Resistor NFR25H . . . . .                  | 2306 207 03399 | 3945 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3431 | 3.3k, 5%. . . . .   | 3198 021 53320 | 3946 | 18k, 5%. . . . .                           | 3198 021 51830 |
| 3432 | 22 ohm, 5%, 1/6W Carbon. . . . .                              | 3198 011 02290 | 3947 | 330 ohm, 5%. . . . .                       | 3198 021 53310 |
| 3471 | 6.8 ohm, 1%, Metal Film. . . . .                              | 2322 156 26808 | 3948 | 47k, 5%. . . . .                           | 3198 021 54730 |
| 3472 | 3.9 ohm, 1%, Metal Film. . . . .                              | 2322 156 23908 | 3949 | 15k, 5%. . . . .                           | 3198 021 51530 |
| 3473 | 2.2k, 1%, Metal Film . . . . .                                | 2322 156 22202 | 3950 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3474 | 1k, 5%, 1/6W Carbon. . . . .                                  | 3198 011 01020 | 3951 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3475 | 2.2k, 1%, Metal Film . . . . .                                | 2322 156 22202 | 3981 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3476 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                  | 2306 204 03158 | 3982 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3477 | 220 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 02210 | 4001 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3478 | 220 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 02210 | 4002 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3479 | 1k, 5%, 1/6W Carbon. . . . .                                  | 3198 011 01020 | 4181 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3500 | 3.3Meg, 5%. . . . .   | 2322 242 13335 | 4212 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3501 | 3.3Meg, 5%. . . . .   | 2322 242 13335 | 4216 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3502 | 4.7 ohm, 20%, 3.1W, Negative Temperature Coefficient. . . . . | 2122 612 00055 | 4217 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3503 | 10 ohm, 30%, 120V, Positive Temperature Coefficient. . . . .  | 2120 661 00026 | 4410 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3506 | Jumper Wire. . . . .  | 0322 179 00003 | 4501 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3507 | Surge Protector DSP-301N-A21F. . . . .                        | 2422 549 43073 | 4613 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3519 | 270 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 02710 | 4614 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3520 | 1.2k, 5%. . . . .   | 3198 021 51220 | 4615 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3521 | 4.7 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 04780 | 4616 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3522 | 330k, 5%. . . . .   | 3198 021 53340 | 4617 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3523 | 100 ohm, 5%, Fusible Resistor NFR25 . . . . .                 | 2306 204 03101 | 4618 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3524 | 56k, 5%. . . . .  | 3198 021 55630 | 4619 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3525 | 1k, 5%. . . . .   | 3198 021 51020 | 4622 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3526 | 0.15 ohm, 5%, 1W, Power Resistor . . . . .                    | 3198 012 11570 | 4623 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3527 | 2.2k ohm, 5%, Fusible Resistor NFR25 . . . . .                | 2306 204 03222 | 4691 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3528 | 10k, 5%. . . . .  | 3198 021 51030 | 4692 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3529 | 47k, 5%. . . . .  | 3198 021 54730 | 4693 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3530 | 4.7k, 5%. . . . .   | 3198 021 54720 | 4807 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |   |                | 4811 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |   |                | 4812 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |

S = Safety Part Be sure to use exact replacement part.

## 13PR12W121 (continued)

|      |  |                |  |  |                |
|------|--|----------------|--|--|----------------|
| 4813 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7405                                   | Transistor BC857B . . . . .              | 3198 010 42150 |
| 4814 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7406                                   | Transistor BC857B . . . . .              | 3198 010 42150 |
| 4901 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7407                                   | Power Transistor BD135-16. . . . .       | 3198 020 41190 |
| 4911 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7408                                   | Power Transistor BD135-17. . . . .       | 3198 020 41190 |
| 4982 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7409                                   | Transistor BC857B . . . . .              | 3198 010 42150 |
| 5001 | Fixed Inductor, 5.6uH, 10% . . . . .             | 3198 018 25680 | 7471                                   | IC, TDA9302H . . . . .                   | 9322 088 25682 |
| 5002 | Fixed Inductor, 0.82uH, 10% . . . . .            | 3198 018 18270 | 7515                                   | Opto-Coupler, TCET1103(G). . . . .       | 9322 140 14667 |
| 5201 | Fixed Inductor, 6.8uH, 5% . . . . .              | 3198 018 16880 | 7520                                   | IC, TEA1507P/N1. . . . .                 | 9352 673 56112 |
| 5202 | Fixed Inductor, 10uH, 10% . . . . .              | 3198 018 21090 | 7521                                   | Power FET, STP5NC50FP. . . . .           | 9322 160 71687 |
| 5241 | Fixed Inductor, 10uH, 10% . . . . .              | 3198 018 21090 | 7522                                   | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5242 | Fixed Inductor, 10uH, 5% . . . . .               | 3198 018 11090 | 7540                                   | Transistor BC547B. . . . .               | 3198 020 40030 |
| 5341 | Fixed Inductor, 12uH, 5% SPT0508 . . . . .       | 2422 535 95598 | 7541                                   | Transistor PDTO114ET. . . . .            | 9340 310 10215 |
| 5342 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 7542                                   | Transistor BC857B . . . . .              | 3198 010 42150 |
| 5403 | Fixed Inductor, 27uH, 10%, LHL08 . . . . .       | 2422 535 94888 | 7560                                   | IC, L78L33ACZ. . . . .                   | 9322 134 92676 |
| 5408 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7561                                   | Transistor PDTO143ZT. . . . .            | 9340 547 00215 |
| 5410 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7602                                   | IC M24C16-WBN6 . . . . .                 | 9322 147 25682 |
| 5444 | Signal Driver Transformer SC10009-03. . . . .    | 2422 531 02446 | 7902                                   | IC, AN7523N. . . . .                     | 9322 158 66667 |
| 5445 | LOT Transformer MSL0T4 . . . . .                 | 3128 138 21541 | 7941                                   | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5502 | AC Filter. . . . .                               | 2422 549 44284 | 7942                                   | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5520 | Transformer SS28011-04. . . . .                  | 2422 531 02458 | 7943                                   | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5521 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9181                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5560 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9503                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5561 | Fixed Inductor, 27uH, 10% . . . . .              | 3198 018 22790 | 9692                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5562 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9696                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5563 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9814                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5602 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9820                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5603 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9821                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5604 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9822                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5833 | Jumper Wire. . . . .                             | 0322 179 00003 | 9824                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6001 | Diode Regulator, BZX79-C33 (33Volt). . . . .     | 3198 010 23390 | 9825                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6201 | Diode, BAV21 . . . . .                           | 3198 010 10630 | 9825                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6202 | Diode, BAS316 . . . . .                          | 3198 010 10630 | 9826                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6206 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 | 9827                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6241 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 | 9828                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6311 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9829                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6321 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9830                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6331 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9832                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6341 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9833                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6342 | Diode, 1N4148. . . . .                           | 3198 010 10010 | 9982                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6343 | Diode Regulator, BZX384-C8V2 (8.2Volt) . . . . . | 3198 020 58280 | CBA                                    | Main Chassis . . . . .                   | 3139 178 85481 |
| 6401 | Diode, BAV21 . . . . .                           | 3198 010 10070 | <b>Model 13PR12W/121 Cabinet Parts</b> |  |                |
| 6402 | Diode Rectifier, BYV27-200 . . . . .             | 9322 126 72673 | Model 13PR12W/121 Cabinet Parts        |  |                |
| 6404 | Diode Rectifier, BYD33D. . . . .                 | 9337 410 30133 | S AC01                                 | AC Power Cord. . . . .                   | 3135 010 07291 |
| 6405 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | AC03                                   | Cabinet Back . . . . .                   | 3139 137 90291 |
| 6406 | Diode, BAV70. . . . .                            | 9331 849 10215 | AC04                                   | Cabinet Front. . . . .                   | 3139 137 82911 |
| 6407 | Diode, BAS316 . . . . .                          | 3198 010 10630 | AC05                                   | Chassis Guide. . . . .                   | 3139 124 34091 |
| 6408 | Diode, BAS316 . . . . .                          | 3198 010 10630 | AC06                                   | Control Buttons. . . . .                 | 3139 137 79211 |
| 6409 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | S AC08                                 | CRT A34EJM34X113 . . . . .               | 9301 815 60361 |
| 6410 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | S AC09                                 | Degaussing Coil. . . . .                 | 2422 549 44427 |
| 6413 | Diode, 1N4148. . . . .                           | 3198 010 10010 | AC10                                   | Degaussing Coil Holder (2 used). . . . . | 3135 013 01641 |
| 6414 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 | AC11                                   | Light Guide. . . . .                     | 3139 124 35851 |
| 6415 | Diode, BAS316 . . . . .                          | 3198 010 10630 | AC13                                   | Owner's Manual . . . . .                 | 3121 235 20031 |
| 6419 | Diode Regulator, BZX79-C5V6 (5.6Volt). . . . .   | 3198 010 25680 | AC14                                   | Power Button . . . . .                   | 3139 137 79201 |
| 6420 | Diode Regulator, BZX79-C9V1 (9.1Volt). . . . .   | 9331 177 80133 | REMOTE                                 | Remote Transmitter . . . . .             | 3139 228 87541 |
| 6423 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | AC16                                   | Speaker, 8W, 16 ohm. . . . .             | 2422 264 00407 |
| 6471 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | S AC18                                 | Deflection Yoke. . . . .                 | 3306 133 24671 |
| 6500 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 | AC21                                   | Batteries f Remote Transmitter . . . . . | 9299 000 65263 |
| 6501 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 | AC24                                   | Degaussing Coil Spring . . . . .         | 3139 121 26231 |
| 6503 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 | AC32                                   | Assembly Braid . . . . .                 | 3135 010 07331 |
| 6520 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | AC33                                   | Cabinet Door . . . . .                   | 3139 137 82951 |
| 6523 | Diode, 1N4148. . . . .                           | 3198 010 10010 |  |  |                |
| 6540 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 |  |  |                |
| 6541 | Diode Regulator, BZX79-C10 (10Volt). . . . .     | 3198 010 21090 |  |  |                |
| 6560 | Diode Rectifier, BYW76-RAS15/10. . . . .         | 9322 127 32682 |  |  |                |
| 6562 | Diode Rectifier, EGP20DL-5100. . . . .           | 9322 164 42682 |  |  |                |
| 6563 | Diode, BAS316 . . . . .                          | 3198 010 10630 |  |  |                |
| 6565 | Diode, BAV70. . . . .                            | 9331 849 10215 |  |  |                |
| 6566 | Diode, BAS316 . . . . .                          | 3198 010 10630 |  |  |                |
| 6569 | Diode, BAS316 . . . . .                          | 3198 010 10630 |  |  |                |
| 6570 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 |  |  |                |
| 6681 | Diode, BAT85 . . . . .                           | 9336 247 60133 |  |  |                |
| 6691 | LED, VS LTL-10224WHCR. . . . .                   | 9322 050 99682 |  |  |                |
| 6692 | IR Receiver, TSOP1836UH3V. . . . .               | 9322 127 54667 |  |  |                |
| 6901 | Diode, BAS316 . . . . .                          | 3198 010 10630 |  |  |                |
| 7200 | IC, 2US1 Software Cluster. . . . .               | 9352 699 88557 |  |  |                |
| 7201 | Transistor BC847B . . . . .                      | 3198 010 42030 |  |  |                |
| 7204 | Transistor BC857B . . . . .                      | 3198 010 42150 |  |  |                |
| 7241 | Transistor PDTA114ET. . . . .                    | 3198 010 44010 |  |  |                |
| 7311 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7312 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7313 | Transistor BF423 . . . . .                       | 3198 020 43020 |  |  |                |
| 7321 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7322 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7323 | Transistor BF423 . . . . .                       | 3198 020 43020 |  |  |                |
| 7331 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7332 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7333 | Transistor BF423 . . . . .                       | 3198 020 43020 |  |  |                |
| 7401 | Transistor PDTO143ZT. . . . .                    | 9340 547 00215 |  |  |                |
| 7402 | Power Transistor BUT11APX-1200 . . . . .         | 9340 563 21127 |  |  |                |
| 7403 | Transistor BC337-25. . . . .                     | 3198 020 43530 |  |  |                |
| 7404 | Transistor BC636 . . . . .                       | 9332 219 50126 |  |  |                |

S = Safety Part Be sure to use exact replacement part.

# 14LL100121 - Manual no. 7602

## Main Chassis

|              |  |                |      |  |      |     |       |
|--------------|--|----------------|------|--|------|-----|-------|
| Main Chassis |  |                | 2423 | 10uF., 20%, 100V, Electrolytic . . . .   | 2020 | 021 | 90813 |
| 0127         | 2 Pin Fuse Socket. . . . .               | 3122 358 71251 | 2471 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 0138         | IC-SPRING FOR ITEM 7471 (IC TDA9302H).   | 3104 301 22081 | 2472 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 0139         | IC-SPRING 7402 . . . . .                 | 3139 121 24581 | 2473 | 100uF., 20%, 50V, Electrolytic . . . .   | 2020 | 021 | 90587 |
| 0211         | 2 Pin Connector (AC Input Plug). . . .   | 2422 025 16269 | 2475 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 0212         | 2 Pin Connector (Degaussing Plug (RED))  | 2422 025 16375 | 2476 | 0.22uF., 10%, 50V, Metalized Polyester   | 3198 | 014 | 02240 |
| 0217         | 3 Pin Connector. . . . .                 | 2412 020 00725 | 2477 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 0218         | 2 Pin Connector. . . . .                 | 2422 026 04637 | 2500 | 0.47uF., 20%, 275V, Metalized Polypropyl |      |     |       |
| 0220         | 3 Pin Connector. . . . .                 | 2422 025 04851 |      | ene. . . . .                             | 2022 | 330 | 00018 |
| 0221         | 6 Pin Connector. . . . .                 | 2422 025 15503 | 2501 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0222         | 2 Pin Connector. . . . .                 | 2422 025 10646 | 2502 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0232         | Headphone Jack . . . . .                 | 2422 026 04747 | 2503 | 220uF., 20%, 200V, Electrolytic . . . .  | 2020 | 024 | 90557 |
| 0243         | 6 Pin Connector. . . . .                 | 2422 025 04854 | 2504 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0244         | 3 Pin Connector. . . . .                 | 2422 025 04851 | 2505 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0245         | 6 Pin Connector. . . . .                 | 2422 025 04854 | 2506 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0246         | 3 Pin Connector. . . . .                 | 2412 020 00725 | 2508 | 470pF., 1kV, 10%, Ceramic. . . . .       | 3198 | 019 | 64710 |
| 0254         | 9 Pin CRT Socket (M-NECK). . . . .       | 2422 500 80068 | 2515 | 1500pF., 250V, 20%, Ceramic. . . . .     | 2020 | 554 | 90172 |
| 1000         | Tuner V+U PLL F ENV56D98G3 . . . . .     | 2422 542 90108 | 2520 | 0.1uF., 16V, Ceramic . . . . .           | 3198 | 017 | 01040 |
| 1002         | 45.75 MHz Saw Filter F072TPL-A . . . .   | 2422 549 44327 | 2521 | 22uF., 20%, 50V, Electrolytic. . . . .   | 3198 | 025 | 52290 |
| 1200         | 4.5MHz Ceramic Filter, TPS*MB. . . . .   | 2422 549 40807 | 2522 | 0.1uF., 16V, Ceramic . . . . .           | 3198 | 017 | 01040 |
| 1500         | 5 Amp, 250V, Fuse (5X20) . . . . .       | 2422 086 10905 | 2523 | 1500pF., 2kV, 10%, Ceramic . . . . .     | 2020 | 558 | 90489 |
| 1600         | Tact Switch. . . . .                     | 2422 128 02742 | 2525 | 470pF., 50V, Ceramic. . . . .            | 3198 | 017 | 04710 |
| 1601         | Tact Switch. . . . .                     | 2422 128 02742 | 2526 | 0.001uF., 50V, Ceramic . . . . .         | 3198 | 017 | 01020 |
| 1602         | Tact Switch. . . . .                     | 2422 128 02742 | 2527 | 470pF., 50V, Ceramic. . . . .            | 3198 | 017 | 04710 |
| 1603         | Tact Switch. . . . .                     | 2422 128 02742 | 2540 | 0.015uF., 50V, Ceramic . . . . .         | 3198 | 017 | 01530 |
| 1606         | Tact Switch. . . . .                     | 2422 128 02742 | 2560 | 1000pF., 1kV, 10%, Ceramic . . . . .     | 3198 | 019 | 61020 |
| 1660         | 12MHz, Crystal Resonator, HC49/U A . .   | 2422 543 01203 | 2561 | 47uF., 20%, 160V, Electrolytic . . . . . | 2020 | 021 | 91358 |
| 2004         | 0.047uF., 25V, Ceramic . . . . .         | 3198 023 04730 | 2562 | 1000pF., 50V, Ceramic . . . . .          | 3198 | 019 | 11020 |
| 2005         | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 025 51090 | 2563 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 2006         | 470uF., 20%, 16V, Electrolytic . . . .   | 3198 025 24710 | 2564 | 2200uF., 20%, 16V, Electrolytic. . . . . | 2020 | 012 | 93057 |
| 2007         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2565 | 470pF., 1kV, 10%, Ceramic. . . . .       | 3198 | 019 | 64710 |
| 2008         | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 025 31010 | 2567 | 47uF., 20%, 25V, Electrolytic. . . . .   | 3198 | 025 | 34790 |
| 2009         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2568 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 51080 |
| 2181         | 22pF., 50V, Ceramic. . . . .             | 3198 016 02290 | 2569 | 470pF., 50V, Ceramic. . . . .            | 3198 | 017 | 04710 |
| 2182         | 330pF., 50V, Ceramic . . . . .           | 3198 016 03310 | 2580 | 47uF., 20%, 25V, Electrolytic. . . . .   | 3198 | 025 | 34790 |
| 2184         | 2.2uF., 10V, Ceramic . . . . .           | 3198 017 22250 | 2601 | 0.22uF., 25V, Ceramic. . . . .           | 3198 | 023 | 22240 |
| 2202         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2602 | 100pF., 50V, Ceramic . . . . .           | 3198 | 016 | 01010 |
| 2203         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2606 | 1000pF., 50V, Ceramic. . . . .           | 3198 | 016 | 01020 |
| 2204         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2607 | 33pF., 50V, Ceramic. . . . .             | 3198 | 016 | 03390 |
| 2205         | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 | 2608 | 0.1uF., 25V, Ceramic. . . . .            | 3198 | 023 | 21040 |
| 2208         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2609 | 33pF., 50V, Ceramic. . . . .             | 3198 | 016 | 03390 |
| 2209         | 4.7uF., 20%, 50V, Electrolytic . . . .   | 3198 025 54780 | 2611 | 0.1uF., 25V, Ceramic. . . . .            | 3198 | 023 | 21040 |
| 2210         | 0.47uF., 20%, 50V, Electrolytic. . . .   | 3198 025 54770 | 2612 | 22pF., 50V, Ceramic. . . . .             | 3198 | 016 | 02290 |
| 2211         | 0.47uF., 16V, Ceramic . . . . .          | 3198 017 24740 | 2613 | 22pF., 50V, Ceramic. . . . .             | 3198 | 016 | 02290 |
| 2216         | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 025 31010 | 2615 | 1000pF., 50V, Ceramic. . . . .           | 3198 | 016 | 01020 |
| 2217         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2618 | 0.01uF., 50V, Ceramic. . . . .           | 3198 | 017 | 01030 |
| 2219         | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 | 2619 | 1uF., 16V, Ceramic. . . . .              | 3198 | 017 | 21050 |
| 2226         | 4700pF., 50V, Ceramic. . . . .           | 3198 017 04720 | 2691 | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 | 025 | 31010 |
| 2227         | 4700pF., 50V, Ceramic. . . . .           | 3198 017 04720 | 2902 | 220uF., 20%, 50V, Electrolytic . . . .   | 3198 | 026 | 52210 |
| 2228         | 820pF., 50V, Ceramic . . . . .           | 3198 016 08210 | 2903 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 51080 |
| 2229         | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 025 51090 | 2904 | 1uF., 16V, Ceramic. . . . .              | 3198 | 017 | 21050 |
| 2233         | 820pF., 50V, Ceramic . . . . .           | 3198 016 08210 | 2905 | 1000pF., 50V, Ceramic. . . . .           | 3198 | 016 | 01020 |
| 2241         | 4700pF., 50V, Ceramic. . . . .           | 3198 017 04720 | 2908 | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 | 025 | 51090 |
| 2242         | 1uF., 16V, Ceramic. . . . .              | 3198 017 21050 | 2941 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 51080 |
| 2243         | 2200pF., 50V, Ceramic. . . . .           | 3198 017 02220 | 2942 | 0.033uF., 50V, Ceramic . . . . .         | 3198 | 017 | 03330 |
| 2244         | 0.1uF., 10%, 63V, Metalized Polyester.   | 2222 370 75104 | 2943 | 0.1uF., 16V, Ceramic . . . . .           | 3198 | 017 | 01040 |
| 2245         | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 | 2944 | 0.047uF., 50V, Ceramic. . . . .          | 3198 | 017 | 24730 |
| 2246         | 4.7uF., 20%, 50V, Electrolytic . . . .   | 3198 025 54780 | 2945 | 0.01uF., 50V, Ceramic. . . . .           | 3198 | 017 | 01030 |
| 2247         | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 025 31010 | 2946 | 1uF., 16V, Ceramic. . . . .              | 3198 | 017 | 21050 |
| 2248         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2981 | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 | 025 | 31010 |
| 2249         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2982 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 2250         | 2.2uF., 20%, 50V, Electrolytic . . . .   | 3198 025 52280 | 2983 | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 | 025 | 31010 |
| 2252         | 1000pF., 50V, Ceramic. . . . .           | 3198 016 01020 | 2984 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 2253         | 1000pF., 50V, Ceramic. . . . .           | 3198 016 01020 | 3000 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2254         | 100pF., 50V, Ceramic . . . . .           | 3198 016 01010 | 3001 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2313         | 270pF., 50V, Ceramic . . . . .           | 3198 016 02710 | 3002 | Zero ohm "Chip" Jumper . . . . .         | 3198 | 021 | 90020 |
| 2323         | 390pF., 50V, Ceramic . . . . .           | 3198 016 03910 | 3003 | 1.5k, 5% . . . . .                       | 3198 | 021 | 51520 |
| 2331         | 390pF., 50V, Ceramic . . . . .           | 3198 016 03910 | 3004 | 8.2k, 5% . . . . .                       | 3198 | 021 | 58220 |
| 2341         | 2200pF., 1kV, 10%, Ceramic . . . . .     | 2020 558 90571 | 3005 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2342         | 0.047uF., 10%, 250V Metalized Polyester  | 2222 365 45473 | 3181 | 75 ohm, 5%, 1/6W Carbon. . . . .         | 3198 | 011 | 07590 |
| 2343         | 0.047uF., 10%, 250V Metalized Polyester  | 2222 365 45473 | 3182 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2401         | 680pF., 50V, Ceramic. . . . .            | 3198 019 16810 | 3183 | 150 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01510 |
| 2402         | 0.56uF., 5%, 250V, Metalized Polypropyl  |                | 3184 | 47k, 5%. . . . .                         | 3198 | 021 | 54730 |
|              | ene. . . . .                             | 2022 333 00088 | 3200 | 390 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 03910 |
| 2406         | 330pF., 50V, Ceramic . . . . .           | 3198 016 03310 | 3201 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2407         | 0.0082uF., 5%, 1.6kV, Metalized Polypro  |                | 3202 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
|              | pylene . . . . .                         | 2020 301 90247 | 3203 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2408         | 0.022uF., 50V, Ceramic . . . . .         | 3198 019 22230 | 3204 | 10k, 5%, 1/6W Carbon . . . . .           | 3198 | 011 | 01030 |
| 2409         | 47uF., 20%, 160V, Electrolytic . . . . . | 2020 021 91139 | 3206 | 100k, 5% . . . . .                       | 3198 | 021 | 51040 |
| 2410         | 470uF., 20%, 16V, Electrolytic . . . .   | 2020 021 91577 | 3207 | 1k, 5%, 1/6W Carbon. . . . .             | 3198 | 011 | 01020 |
| 2411         | 47uF., 20%, 25V, Electrolytic. . . . .   | 2020 021 90586 | 3208 | 220 ohm, 5%. . . . .                     | 3198 | 021 | 52210 |
| 2412         | 0.033uF., 10%, 100V, Metalized Polyester | 2222 347 90236 | 3209 | 68 ohm, 5% . . . . .                     | 3198 | 021 | 56890 |
| 2413         | 10uF., 20%, 250V, Electrolytic . . . . . | 2020 012 93495 | 3212 | 470 ohm, 5%. . . . .                     | 3198 | 021 | 54710 |
| 2414         | 1000uF., 20%, 16V, Electrolytic. . . .   | 2020 021 91049 | 3213 | 560 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 05610 |
| 2416         | 470pF., 2kV, 10%, Ceramic. . . . .       | 2020 558 90483 | 3217 | 330k, 5% . . . . .                       | 3198 | 021 | 53340 |
| 2417         | 1000uF., 20%, 16V, Electrolytic. . . .   | 2020 021 91049 | 3218 | 82k, 5%. . . . .                         | 3198 | 021 | 58230 |
| 2418         | 0.01uF., 50V, Ceramic . . . . .          | 3198 017 01030 | 3219 | 2.2k, 5%. . . . .                        | 3198 | 021 | 52220 |
| 2419         | 1uF., 20%, 50V, Electrolytic . . . . .   | 2020 021 91147 | 3226 | 560 ohm, 5%. . . . .                     | 3198 | 021 | 55610 |
| 2420         | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 025 51080 | 3232 | 2.2k, 5% . . . . .                       | 3198 | 021 | 52220 |
| 2421         | 0.047uF., 50V, Ceramic. . . . .          | 3198 017 24730 | 3235 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2422         | 470uF., 20%, 16V, Electrolytic . . . .   | 2020 021 91577 | 3241 | 22k, 5%. . . . .                         | 3198 | 021 | 52230 |
|              |  |                | 3242 | 27k, 5%. . . . .                         | 3198 | 021 | 52730 |

# 14LL100121 (continued)

|      |   |                |      |  |                |
|------|---|----------------|------|--|----------------|
| 3244 | 820 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 08210 | 3531 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3245 | 39k, 5%. . . . .  | 3198 021 53930 | 3541 | 470 ohm, 5%. . . . .                       | 3198 021 54710 |
| 3246 | 10k, 5%. . . . .  | 3198 021 51030 | 3542 | 1.5k, 5%. . . . .                          | 3198 021 51520 |
| 3247 | 220k, 5%. . . . .   | 3198 021 52240 | 3543 | 82k, 1%, Metal Film. . . . .               | 2322 156 28203 |
| 3248 | 27k, 5%. . . . .  | 3198 021 52730 | 3544 | 6.8k, 1%, Metal Film . . . . .             | 2322 156 26802 |
| 3249 | 820 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 08210 | 3545 | 82k, 5%. . . . .                           | 3198 021 58230 |
| 3251 | 100 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 01010 | 3546 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3254 | 1M, 5%. . . . .   | 3198 021 51050 | 3547 | 0.33 ohm, 5%, 1W, Power Resistor . . . . . | 3198 012 13370 |
| 3256 | 1k, 5%. . . . .   | 3198 021 51020 | 3548 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3257 | 10Meg, 5%. . . . .  | 3198 021 51060 | 3549 | 470 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 04710 |
| 3258 | 330k, 5%. . . . .   | 3198 021 53340 | 3552 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3259 | 470k, 5%. . . . .   | 3198 021 54740 | 3559 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3311 | 3.9k, 5%. . . . .   | 3198 021 53920 | 3561 | 220 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 02210 |
| 3312 | 330 ohm, 5%. . . . .  | 3198 021 53310 | 3562 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3313 | 10 ohm, 5%. . . . .   | 3198 021 51090 | 3563 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3314 | 18k, 5%, Metal Film. . . . .                                  | 2322 195 63183 | 3564 | 4.7 ohm, 5%, 2W, Power Resistor. . . . .   | 3198 012 24780 |
| 3316 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                  | 2306 204 03689 | 3565 | 330 ohm, 5%, 1W, Power Resistor. . . . .   | 3198 012 13310 |
| 3317 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3566 | 2.2k, 5%. . . . .                          | 3198 021 52220 |
| 3321 | 3.9k, 5%. . . . .   | 3198 021 53920 | 3569 | 5.6k, 5%. . . . .                          | 3198 021 55620 |
| 3322 | 330 ohm, 5%. . . . .  | 3198 021 53310 | 3580 | 47k, 5%. . . . .                           | 3198 021 54730 |
| 3323 | 10 ohm, 5%. . . . .   | 3198 021 51090 | 3603 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3324 | 18k, 5%, Metal Film. . . . .                                  | 2322 195 63183 | 3604 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3326 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                  | 2306 204 03689 | 3605 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3327 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3606 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3331 | 3.9k, 5%. . . . .   | 3198 021 53920 | 3607 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3332 | 330 ohm, 5%. . . . .  | 3198 021 53310 | 3608 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3333 | 10 ohm, 5%. . . . .   | 3198 021 51090 | 3611 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3334 | 18k, 5%, Metal Film. . . . .                                  | 2322 195 63183 | 3614 | 4.7k, 5%, 1/6W Carbon. . . . .             | 3198 011 04720 |
| 3336 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                  | 2306 204 03689 | 3615 | 10k, 5%, 1/6W Carbon . . . . .             | 3198 011 01030 |
| 3337 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3617 | 4.7k, 5%, 1/6W Carbon. . . . .             | 3198 011 04720 |
| 3341 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3618 | 6.8k, 5%, 1/6W Carbon. . . . .             | 3198 011 06820 |
| 3347 | 220 ohm, 5% Fusible Resistor NFR25 . . . . .                  | 2306 204 03221 | 3619 | 8.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 08220 |
| 3348 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3622 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3349 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                  | 2306 204 03158 | 3623 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3350 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                  | 2306 204 03158 | 3624 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3401 | 330k, 5%. . . . .   | 2322 242 13334 | 3625 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3402 | 18k, 5%, 1/6W Carbon . . . . .                                | 3198 011 01830 | 3626 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3403 | 22 ohm, 5%, 3W, Power Resistor . . . . .                      | 3198 012 32290 | 3627 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3404 | 6.8 ohm, 5%, Fusible Resistor NFR25. . . . .                  | 2306 204 03688 | 3628 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3406 | 10k, 5%, 1/6W Carbon . . . . .                                | 3198 011 01030 | 3630 | 2.2k, 5%. . . . .                          | 3198 021 52220 |
| 3407 | 220 ohm, 5%, 3W, Power Resistor. . . . .                      | 3198 012 32210 | 3632 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3408 | 1k, 5%, 1/6W Carbon. . . . .                                  | 3198 011 01020 | 3636 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3410 | 33k, 5%. . . . .  | 3198 021 53330 | 3681 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3411 | 10 ohm, 5% Fusible Resistor NFR25. . . . .                    | 2306 204 03109 | 3682 | 3.3k, 5%. . . . .                          | 3198 021 53320 |
| 3412 | 3.3k, 1%, Metal Film . . . . .                                | 2322 156 23302 | 3683 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3413 | 10k, 5%. . . . .  | 3198 021 51030 | 3684 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3414 | 1.5k, 1%, Metal Film . . . . .                                | 2322 156 21502 | 3685 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3415 | 1k, 5%, 1/6W Carbon. . . . .                                  | 3198 011 01020 | 3686 | 1.5k, 5%. . . . .                          | 3198 021 51520 |
| 3416 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                  | 2306 204 03689 | 3691 | 330 ohm, 5%. . . . .                       | 3198 021 53310 |
| 3417 | 33k, 5%, 1/6W Carbon . . . . .                                | 3198 011 03330 | 3693 | 220 ohm, 5%. . . . .                       | 3198 021 52210 |
| 3418 | 33k, 5%. . . . .  | 3198 021 53330 | 3694 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3419 | 6.8k, 5%. . . . .   | 3198 021 56820 | 3901 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3420 | 33k, 5%. . . . .  | 3198 021 53330 | 3902 | 3.3k, 5%. . . . .                          | 3198 021 53320 |
| 3421 | 6.8 ohm, 5%, 2W, Power Resistor. . . . .                      | 3198 012 26880 | 3903 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3422 | 100 ohm, 5%. . . . .  | 3198 021 51010 | 3904 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3423 | 820 ohm, 5%. . . . .  | 3198 021 58210 | 3907 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3424 | 100 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 01010 | 3941 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3425 | 15k, 5%, 1/6W Carbon . . . . .                                | 3198 011 01530 | 3942 | 3.9k, 5%. . . . .                          | 3198 021 53920 |
| 3426 | 1M, 5%. . . . .   | 3198 021 51050 | 3943 | 2.7k, 5%. . . . .                          | 3198 021 52720 |
| 3427 | 12k, 5%, 1/6W Carbon . . . . .                                | 3198 011 01230 | 3944 | 2.7k, 5%. . . . .                          | 3198 021 52720 |
| 3428 | 39 ohm, 5% Fusible Resistor NFR25H . . . . .                  | 2306 207 03399 | 3945 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3431 | 3.3k, 5%. . . . .   | 3198 021 53320 | 3946 | 18k, 5%. . . . .                           | 3198 021 51830 |
| 3432 | 22 ohm, 5%, 1/6W Carbon. . . . .                              | 3198 011 02290 | 3947 | 330 ohm, 5%. . . . .                       | 3198 021 53310 |
| 3471 | 6.8 ohm, 1%, Metal Film. . . . .                              | 2322 156 26808 | 3948 | 47k, 5%. . . . .                           | 3198 021 54730 |
| 3472 | 3.9 ohm, 1%, Metal Film. . . . .                              | 2322 156 23908 | 3949 | 15k, 5%. . . . .                           | 3198 021 51530 |
| 3473 | 2.2k, 1%, Metal Film . . . . .                                | 2322 156 22202 | 3950 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3474 | 1k, 5%, 1/6W Carbon. . . . .                                  | 3198 011 01020 | 3951 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3475 | 2.2k, 1%, Metal Film . . . . .                                | 2322 156 22202 | 3981 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3476 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                  | 2306 204 03158 | 3982 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3477 | 220 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 02210 | 4001 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3478 | 220 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 02210 | 4002 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3479 | 1k, 5%, 1/6W Carbon. . . . .                                  | 3198 011 01020 | 4181 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3500 | 3.3Meg, 5%. . . . .   | 2322 242 13335 | 4212 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3501 | 3.3Meg, 5%. . . . .   | 2322 242 13335 | 4216 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3502 | 4.7 ohm, 20%, 3.1W, Negative Temperature Coefficient. . . . . | 2122 612 00055 | 4217 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3503 | 10 ohm, 30%, 120V, Positive Temperature Coefficient. . . . .  | 2120 661 00026 | 4410 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3506 | Jumper Wire. . . . .  | 0322 179 00003 | 4501 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3507 | Surge Protector DSP-301N-A21F. . . . .                        | 2422 549 43073 | 4613 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3519 | 270 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 02710 | 4614 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3520 | 1.2k, 5%. . . . .   | 3198 021 51220 | 4615 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3521 | 4.7 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 04780 | 4616 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3522 | 330k, 5%. . . . .   | 3198 021 53340 | 4617 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3523 | 100 ohm, 5%, Fusible Resistor NFR25 . . . . .                 | 2306 204 03101 | 4618 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3524 | 56k, 5%. . . . .  | 3198 021 55630 | 4619 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3525 | 1k, 5%. . . . .   | 3198 021 51020 | 4622 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3526 | 0.15 ohm, 5%, 1W, Power Resistor . . . . .                    | 3198 012 11570 | 4623 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3527 | 2.2k ohm, 5%, Fusible Resistor NFR25 . . . . .                | 2306 204 03222 | 4691 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3528 | 10k, 5%. . . . .  | 3198 021 51030 | 4692 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3529 | 47k, 5%. . . . .  | 3198 021 54730 | 4693 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3530 | 4.7k, 5%. . . . .   | 3198 021 54720 | 4807 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |   |                | 4811 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |   |                | 4812 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |

S = Safety Part Be sure to use exact replacement part.

## 14LL100121 (continued)

|      |  |                |  |  |                |
|------|--|----------------|--|--|----------------|
| 4813 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7405                                   | Transistor BC857B . . . . .              | 3198 010 42150 |
| 4814 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7406                                   | Transistor BC857B . . . . .              | 3198 010 42150 |
| 4901 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7407                                   | Power Transistor BD135-16. . . . .       | 3198 020 41190 |
| 4911 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7408                                   | Power Transistor BD135-17. . . . .       | 3198 020 41190 |
| 4982 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7409                                   | Transistor BC857B . . . . .              | 3198 010 42150 |
| 5001 | Fixed Inductor, 5.6uH, 10% . . . . .             | 3198 018 25680 | 7471                                   | IC, TDA9302H . . . . .                   | 9322 088 25682 |
| 5002 | Fixed Inductor, 0.82uH, 10% . . . . .            | 3198 018 18270 | 7515                                   | Opto-Coupler, TCET1103(G). . . . .       | 9322 140 14667 |
| 5201 | Fixed Inductor, 6.8uH, 5% . . . . .              | 3198 018 16880 | 7520                                   | IC, TEA1507P/N1. . . . .                 | 9352 673 56112 |
| 5202 | Fixed Inductor, 10uH, 10% . . . . .              | 3198 018 21090 | 7521                                   | Power FET, STP5NC50FP. . . . .           | 9322 160 71687 |
| 5241 | Fixed Inductor, 10uH, 10% . . . . .              | 3198 018 21090 | 7522                                   | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5242 | Fixed Inductor, 10uH, 5% . . . . .               | 3198 018 11090 | 7540                                   | Transistor BC547B. . . . .               | 3198 020 40030 |
| 5341 | Fixed Inductor, 12uH, 5% SPT0508 . . . . .       | 2422 535 95598 | 7541                                   | Transistor PDTO114ET. . . . .            | 9340 310 10215 |
| 5342 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 7542                                   | Transistor BC857B . . . . .              | 3198 010 42150 |
| 5403 | Fixed Inductor, 27uH, 10%, LHL08 . . . . .       | 2422 535 94888 | 7560                                   | IC, L78L33ACZ. . . . .                   | 9322 134 92676 |
| 5408 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7561                                   | Transistor PDTO143ZT. . . . .            | 9340 547 00215 |
| 5410 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7602                                   | IC M24C16-WBN6 . . . . .                 | 9322 147 25682 |
| 5444 | Signal Driver Transformer SC10009-03. . . . .    | 2422 531 02446 | 7902                                   | IC, AN7523N. . . . .                     | 9322 158 66667 |
| 5445 | LOT Transformer MSLOT4 . . . . .                 | 3128 138 21541 | 7941                                   | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5502 | AC Filter. . . . .                               | 2422 549 44284 | 7942                                   | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5520 | Transformer SS28011-04. . . . .                  | 2422 531 02458 | 7943                                   | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5521 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9181                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5560 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9503                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5561 | Fixed Inductor, 27uH, 10% . . . . .              | 3198 018 22790 | 9692                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5562 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9696                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5563 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9814                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5602 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9820                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5603 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9821                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5604 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9822                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5833 | Jumper Wire. . . . .                             | 0322 179 00003 | 9824                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6001 | Diode Regulator, BZX79-C33 (33Volt). . . . .     | 3198 010 23390 | 9825                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6201 | Diode, BAV21 . . . . .                           | 3198 010 10630 | 9825                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6202 | Diode, BAS316 . . . . .                          | 3198 010 10630 | 9826                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6206 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 | 9827                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6241 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 | 9828                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6311 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9829                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6321 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9830                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6331 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9832                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6341 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9833                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6342 | Diode, 1N4148. . . . .                           | 3198 010 10010 | 9982                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6343 | Diode Regulator, BZX384-C8V2 (8.2Volt) . . . . . | 3198 020 58280 | CBA                                    | Main Chassis . . . . .                   | 3139 178 85481 |
| 6401 | Diode, BAV21 . . . . .                           | 3198 010 10070 | <b>Model 14LL100/121 Cabinet Parts</b> |  |                |
| 6402 | Diode Rectifier, BYV27-200 . . . . .             | 9322 126 72673 | Model 14LL100/121 Cabinet Parts        |  |                |
| 6404 | Diode Rectifier, BYD33D. . . . .                 | 9337 410 30133 | S AC01                                 | AC Power Cord. . . . .                   | 3135 010 04751 |
| 6405 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | AC03                                   | Cabinet Back . . . . .                   | 3139 137 92791 |
| 6406 | Diode, BAV70. . . . .                            | 9331 849 10215 | AC04                                   | Cabinet Front. . . . .                   | 3139 137 82921 |
| 6407 | Diode, BAS316 . . . . .                          | 3198 010 10630 | AC05                                   | Chassis Guide. . . . .                   | 3139 124 34091 |
| 6408 | Diode, BAS316 . . . . .                          | 3198 010 10630 | AC06                                   | Control Buttons. . . . .                 | 3139 137 79211 |
| 6409 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | S AC08                                 | CRT A34EJM34X113 . . . . .               | 9301 815 60361 |
| 6410 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | S AC09                                 | Degaussing Coil. . . . .                 | 2422 549 44427 |
| 6413 | Diode, 1N4148. . . . .                           | 3198 010 10010 | AC10                                   | Degaussing Coil Holder (2 used). . . . . | 3135 013 01641 |
| 6414 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 | AC11                                   | Light Guide. . . . .                     | 3139 124 35851 |
| 6415 | Diode, BAS316 . . . . .                          | 3198 010 10630 | AC13                                   | Owner's Manual . . . . .                 | 3121 235 20141 |
| 6419 | Diode Regulator, BZX79-C5V6 (5.6Volt). . . . .   | 3198 010 25680 | AC14                                   | Power Button . . . . .                   | 3139 137 79201 |
| 6420 | Diode Regulator, BZX79-C9V1 (9.1Volt). . . . .   | 9331 177 80133 | REMOTE                                 | Remote Transmitter . . . . .             | 3139 228 87521 |
| 6423 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | AC16                                   | Speaker, 8W, 16 ohm. . . . .             | 2422 264 00407 |
| 6471 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | S AC18                                 | Deflection Yoke. . . . .                 | 3306 133 24671 |
| 6500 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 | AC21                                   | Batteries f Remote Transmitter . . . . . | 9299 000 65263 |
| 6501 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 | AC24                                   | Degaussing Coil Spring . . . . .         | 3139 121 26231 |
| 6502 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 | AC32                                   | Assembly Braid . . . . .                 | 3135 010 07331 |
| 6520 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | AC33                                   | Cabinet Door . . . . .                   | 3139 137 82961 |
| 6523 | Diode, 1N4148. . . . .                           | 3198 010 10010 |  |  |                |
| 6540 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 |  |  |                |
| 6541 | Diode Regulator, BZX79-C10 (10Volt). . . . .     | 3198 010 21090 |  |  |                |
| 6560 | Diode Rectifier, BYW76-RAS15/10. . . . .         | 9322 127 32682 |  |  |                |
| 6562 | Diode Rectifier, EGP20DL-5100. . . . .           | 9322 164 42682 |  |  |                |
| 6563 | Diode, BAS316 . . . . .                          | 3198 010 10630 |  |  |                |
| 6565 | Diode, BAV70. . . . .                            | 9331 849 10215 |  |  |                |
| 6566 | Diode, BAS316 . . . . .                          | 3198 010 10630 |  |  |                |
| 6569 | Diode, BAS316 . . . . .                          | 3198 010 10630 |  |  |                |
| 6570 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 |  |  |                |
| 6681 | Diode, BAT85 . . . . .                           | 9336 247 60133 |  |  |                |
| 6691 | LED, VS LTL-10224WHCR. . . . .                   | 9322 050 99682 |  |  |                |
| 6692 | IR Receiver, TSOP1836UH3V. . . . .               | 9322 127 54667 |  |  |                |
| 6901 | Diode, BAS316 . . . . .                          | 3198 010 10630 |  |  |                |
| 7200 | IC, 2US1 Software Cluster. . . . .               | 9352 699 88557 |  |  |                |
| 7201 | Transistor BC847B . . . . .                      | 3198 010 42030 |  |  |                |
| 7204 | Transistor BC857B . . . . .                      | 3198 010 42150 |  |  |                |
| 7241 | Transistor PDTA114ET. . . . .                    | 3198 010 44010 |  |  |                |
| 7311 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7312 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7313 | Transistor BF423 . . . . .                       | 3198 020 43020 |  |  |                |
| 7321 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7322 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7323 | Transistor BF423 . . . . .                       | 3198 020 43020 |  |  |                |
| 7331 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7332 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7333 | Transistor BF423 . . . . .                       | 3198 020 43020 |  |  |                |
| 7401 | Transistor PDTO143ZT. . . . .                    | 9340 547 00215 |  |  |                |
| 7402 | Power Transistor BUT11APX-1200 . . . . .         | 9340 563 21127 |  |  |                |
| 7403 | Transistor BC337-25. . . . .                     | 3198 020 43530 |  |  |                |
| 7404 | Transistor BC636 . . . . .                       | 9332 219 50126 |  |  |                |

S = Safety Part Be sure to use exact replacement part.



# 14LW102221 - Manual no. 7602

## Main Chassis

|              |  |                |      |  |      |     |       |
|--------------|--|----------------|------|--|------|-----|-------|
| Main Chassis |  |                | 2423 | 10uF., 20%, 100V, Electrolytic . . . .   | 2020 | 021 | 90813 |
| 0127         | 2 Pin Fuse Socket. . . . .               | 3122 358 71251 | 2471 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 0138         | IC-SPRING FOR ITEM 7471 (IC TDA9302H).   | 3104 301 22081 | 2472 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 0139         | IC-SPRING 7402 . . . . .                 | 3139 121 24581 | 2473 | 100uF., 20%, 50V, Electrolytic . . . .   | 2020 | 021 | 90587 |
| 0211         | 2 Pin Connector (AC Input Plug). . . .   | 2422 025 16269 | 2475 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 0212         | 2 Pin Connector (Degaussing Plug (RED))  | 2422 025 16375 | 2476 | 0.22uF., 10%, 50V, Metalized Polyester   | 3198 | 014 | 02240 |
| 0217         | 3 Pin Connector. . . . .                 | 2412 020 00725 | 2477 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 0218         | 2 Pin Connector. . . . .                 | 2422 026 04637 | 2500 | 0.47uF., 20%, 275V, Metalized Polypropyl |      |     |       |
| 0220         | 3 Pin Connector. . . . .                 | 2422 025 04851 |      | ene. . . . .                             | 2022 | 330 | 00018 |
| 0221         | 6 Pin Connector. . . . .                 | 2422 025 15503 | 2501 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0222         | 2 Pin Connector. . . . .                 | 2422 025 10646 | 2502 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0232         | Headphone Jack . . . . .                 | 2422 026 04747 | 2503 | 220uF., 20%, 200V, Electrolytic . . . .  | 2020 | 024 | 90557 |
| 0243         | 6 Pin Connector. . . . .                 | 2422 025 04854 | 2504 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0244         | 3 Pin Connector. . . . .                 | 2422 025 04851 | 2505 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0245         | 6 Pin Connector. . . . .                 | 2422 025 04854 | 2506 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0246         | 3 Pin Connector. . . . .                 | 2412 020 00725 | 2508 | 470pF., 1kV, 10%, Ceramic. . . . .       | 3198 | 019 | 64710 |
| 0254         | 9 Pin CRT Socket (M-NECK). . . . .       | 2422 500 80068 | 2515 | 1500pF., 250V, 20%, Ceramic. . . . .     | 2020 | 554 | 90172 |
| 1000         | Tuner V+U PLL F ENV56D98G3 . . . . .     | 2422 542 90108 | 2520 | 0.1uF., 16V, Ceramic . . . . .           | 3198 | 017 | 01040 |
| 1002         | 45.75 MHz Saw Filter F072TPL-A . . . .   | 2422 549 44327 | 2521 | 22uF., 20%, 50V, Electrolytic. . . . .   | 3198 | 025 | 52290 |
| 1200         | 4.5MHz Ceramic Filter, TPS*MB. . . . .   | 2422 549 40807 | 2522 | 0.1uF., 16V, Ceramic . . . . .           | 3198 | 017 | 01040 |
| 1500         | 5 Amp, 250V, Fuse (5X20) . . . . .       | 2422 086 10905 | 2523 | 1500pF., 2kV, 10%, Ceramic . . . . .     | 2020 | 558 | 90489 |
| 1600         | Tact Switch. . . . .                     | 2422 128 02742 | 2525 | 470pF., 50V, Ceramic. . . . .            | 3198 | 017 | 04710 |
| 1601         | Tact Switch. . . . .                     | 2422 128 02742 | 2526 | 0.001uF., 50V, Ceramic . . . . .         | 3198 | 017 | 01020 |
| 1602         | Tact Switch. . . . .                     | 2422 128 02742 | 2527 | 470pF., 50V, Ceramic. . . . .            | 3198 | 017 | 04710 |
| 1603         | Tact Switch. . . . .                     | 2422 128 02742 | 2540 | 0.015uF., 50V, Ceramic . . . . .         | 3198 | 017 | 01530 |
| 1606         | Tact Switch. . . . .                     | 2422 128 02742 | 2560 | 1000pF., 1kV, 10%, Ceramic . . . . .     | 3198 | 019 | 61020 |
| 1660         | 12MHz, Crystal Resonator, HC49/U A . .   | 2422 543 01203 | 2561 | 47uF., 20%, 160V, Electrolytic . . . . . | 2020 | 021 | 91358 |
| 2004         | 0.047uF., 25V, Ceramic . . . . .         | 3198 023 04730 | 2562 | 1000pF., 50V, Ceramic . . . . .          | 3198 | 019 | 11020 |
| 2005         | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 025 51090 | 2563 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 2006         | 470uF., 20%, 16V, Electrolytic . . . .   | 3198 025 24710 | 2564 | 2200uF., 20%, 16V, Electrolytic. . . .   | 2020 | 012 | 93057 |
| 2007         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2565 | 470pF., 1kV, 10%, Ceramic. . . . .       | 3198 | 019 | 64710 |
| 2008         | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 025 31010 | 2567 | 47uF., 20%, 25V, Electrolytic. . . . .   | 3198 | 025 | 34790 |
| 2009         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2568 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 51080 |
| 2181         | 22pF., 50V, Ceramic. . . . .             | 3198 016 02290 | 2569 | 470pF., 50V, Ceramic. . . . .            | 3198 | 017 | 04710 |
| 2182         | 330pF., 50V, Ceramic . . . . .           | 3198 016 03310 | 2580 | 47uF., 20%, 25V, Electrolytic. . . . .   | 3198 | 025 | 34790 |
| 2184         | 2.2uF., 10V, Ceramic . . . . .           | 3198 017 22250 | 2601 | 0.22uF., 25V, Ceramic. . . . .           | 3198 | 023 | 22240 |
| 2202         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2602 | 100pF., 50V, Ceramic . . . . .           | 3198 | 016 | 01010 |
| 2203         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2606 | 1000pF., 50V, Ceramic. . . . .           | 3198 | 016 | 01020 |
| 2204         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2607 | 33pF., 50V, Ceramic. . . . .             | 3198 | 016 | 03390 |
| 2205         | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 | 2608 | 0.1uF., 25V, Ceramic. . . . .            | 3198 | 023 | 21040 |
| 2208         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2609 | 33pF., 50V, Ceramic. . . . .             | 3198 | 016 | 03390 |
| 2209         | 4.7uF., 20%, 50V, Electrolytic . . . .   | 3198 025 54780 | 2611 | 0.1uF., 25V, Ceramic. . . . .            | 3198 | 023 | 21040 |
| 2210         | 0.47uF., 20%, 50V, Electrolytic. . . .   | 3198 025 54770 | 2612 | 22pF., 50V, Ceramic. . . . .             | 3198 | 016 | 02290 |
| 2211         | 0.47uF., 16V, Ceramic . . . . .          | 3198 017 24740 | 2613 | 22pF., 50V, Ceramic. . . . .             | 3198 | 016 | 02290 |
| 2216         | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 025 31010 | 2615 | 1000pF., 50V, Ceramic. . . . .           | 3198 | 016 | 01020 |
| 2217         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2618 | 0.01uF., 50V, Ceramic. . . . .           | 3198 | 017 | 01030 |
| 2219         | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 | 2619 | 1uF., 16V, Ceramic. . . . .              | 3198 | 017 | 21050 |
| 2226         | 4700pF., 50V, Ceramic. . . . .           | 3198 017 04720 | 2691 | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 | 025 | 31010 |
| 2227         | 4700pF., 50V, Ceramic. . . . .           | 3198 017 04720 | 2902 | 220uF., 20%, 50V, Electrolytic . . . .   | 3198 | 026 | 52210 |
| 2228         | 820pF., 50V, Ceramic . . . . .           | 3198 016 08210 | 2903 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 51080 |
| 2229         | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 025 51090 | 2904 | 1uF., 16V, Ceramic. . . . .              | 3198 | 017 | 21050 |
| 2233         | 820pF., 50V, Ceramic . . . . .           | 3198 016 08210 | 2905 | 1000pF., 50V, Ceramic. . . . .           | 3198 | 016 | 01020 |
| 2241         | 4700pF., 50V, Ceramic. . . . .           | 3198 017 04720 | 2908 | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 | 025 | 51090 |
| 2242         | 1uF., 16V, Ceramic. . . . .              | 3198 017 21050 | 2941 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 51080 |
| 2243         | 2200pF., 50V, Ceramic. . . . .           | 3198 017 02220 | 2942 | 0.033uF., 50V, Ceramic . . . . .         | 3198 | 017 | 03330 |
| 2244         | 0.1uF., 10%, 63V, Metalized Polyester.   | 2222 370 75104 | 2943 | 0.1uF., 16V, Ceramic . . . . .           | 3198 | 017 | 01040 |
| 2245         | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 | 2944 | 0.047uF., 50V, Ceramic. . . . .          | 3198 | 017 | 24730 |
| 2246         | 4.7uF., 20%, 50V, Electrolytic . . . .   | 3198 025 54780 | 2945 | 0.01uF., 50V, Ceramic. . . . .           | 3198 | 017 | 01030 |
| 2247         | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 025 31010 | 2946 | 1uF., 16V, Ceramic. . . . .              | 3198 | 017 | 21050 |
| 2248         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2981 | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 | 025 | 31010 |
| 2249         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2982 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 2250         | 2.2uF., 20%, 50V, Electrolytic . . . .   | 3198 025 52280 | 2983 | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 | 025 | 31010 |
| 2252         | 1000pF., 50V, Ceramic. . . . .           | 3198 016 01020 | 2984 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 2253         | 1000pF., 50V, Ceramic. . . . .           | 3198 016 01020 | 3000 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2254         | 100pF., 50V, Ceramic . . . . .           | 3198 016 01010 | 3001 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2313         | 270pF., 50V, Ceramic . . . . .           | 3198 016 02710 | 3002 | Zero ohm "Chip" Jumper . . . . .         | 3198 | 021 | 90020 |
| 2323         | 390pF., 50V, Ceramic . . . . .           | 3198 016 03910 | 3003 | 1.5k, 5% . . . . .                       | 3198 | 021 | 51520 |
| 2331         | 390pF., 50V, Ceramic . . . . .           | 3198 016 03910 | 3004 | 8.2k, 5% . . . . .                       | 3198 | 021 | 58220 |
| 2341         | 2200pF., 1kV, 10%, Ceramic . . . . .     | 2020 558 90571 | 3005 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2342         | 0.047uF., 10%, 250V Metalized Polyester  | 2222 365 45473 | 3181 | 75 ohm, 5%, 1/6W Carbon. . . . .         | 3198 | 011 | 07590 |
| 2343         | 0.047uF., 10%, 250V Metalized Polyester  | 2222 365 45473 | 3182 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2401         | 680pF., 50V, Ceramic. . . . .            | 3198 019 16810 | 3183 | 150 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01510 |
| 2402         | 0.56uF., 5%, 250V, Metalized Polypropyl  |                | 3184 | 47k, 5%. . . . .                         | 3198 | 021 | 54730 |
|              | ene. . . . .                             | 2022 333 00088 | 3200 | 390 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 03910 |
| 2406         | 330pF., 50V, Ceramic . . . . .           | 3198 016 03310 | 3201 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2407         | 0.0082uF., 5%, 1.6kV, Metalized Polypro  |                | 3202 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
|              | pylene . . . . .                         | 2020 301 90247 | 3203 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2408         | 0.022uF., 50V, Ceramic . . . . .         | 3198 019 22230 | 3204 | 10k, 5%, 1/6W Carbon . . . . .           | 3198 | 011 | 01030 |
| 2409         | 47uF., 20%, 160V, Electrolytic . . . .   | 2020 021 91139 | 3206 | 100k, 5% . . . . .                       | 3198 | 021 | 51040 |
| 2410         | 470uF., 20%, 16V, Electrolytic . . . .   | 2020 021 91577 | 3207 | 1k, 5%, 1/6W Carbon. . . . .             | 3198 | 011 | 01020 |
| 2411         | 47uF., 20%, 25V, Electrolytic. . . . .   | 2020 021 90586 | 3208 | 220 ohm, 5%. . . . .                     | 3198 | 021 | 52210 |
| 2412         | 0.033uF., 10%, 100V, Metalized Polyester | 2222 347 90236 | 3209 | 68 ohm, 5% . . . . .                     | 3198 | 021 | 56890 |
| 2413         | 10uF., 20%, 250V, Electrolytic . . . .   | 2020 012 93495 | 3212 | 470 ohm, 5%. . . . .                     | 3198 | 021 | 54710 |
| 2414         | 1000uF., 20%, 16V, Electrolytic. . . .   | 2020 021 91049 | 3213 | 560 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 05610 |
| 2416         | 470pF., 2kV, 10%, Ceramic. . . . .       | 2020 558 90483 | 3217 | 330k, 5% . . . . .                       | 3198 | 021 | 53340 |
| 2417         | 1000uF., 20%, 16V, Electrolytic. . . .   | 2020 021 91049 | 3218 | 82k, 5%. . . . .                         | 3198 | 021 | 58230 |
| 2418         | 0.01uF., 50V, Ceramic . . . . .          | 3198 017 01030 | 3219 | 2.2k, 5% . . . . .                       | 3198 | 021 | 52220 |
| 2419         | 1uF., 20%, 50V, Electrolytic . . . . .   | 2020 021 91147 | 3226 | 560 ohm, 5%. . . . .                     | 3198 | 021 | 55610 |
| 2420         | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 025 51080 | 3232 | 2.2k, 5% . . . . .                       | 3198 | 021 | 52220 |
| 2421         | 0.047uF., 50V, Ceramic. . . . .          | 3198 017 24730 | 3235 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2422         | 470uF., 20%, 16V, Electrolytic . . . .   | 2020 021 91577 | 3241 | 22k, 5%. . . . .                         | 3198 | 021 | 52230 |
|              |  |                | 3242 | 27k, 5%. . . . .                         | 3198 | 021 | 52730 |

# 14LW102221 (continued)

|      |   |                |      |  |                |
|------|---|----------------|------|--|----------------|
| 3244 | 820 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 08210 | 3531 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3245 | 39k, 5%. . . . .  | 3198 021 53930 | 3541 | 470 ohm, 5%. . . . .                       | 3198 021 54710 |
| 3246 | 10k, 5%. . . . .  | 3198 021 51030 | 3542 | 1.5k, 5%. . . . .                          | 3198 021 51520 |
| 3247 | 220k, 5%. . . . .   | 3198 021 52240 | 3543 | 82k, 1%, Metal Film. . . . .               | 2322 156 28203 |
| 3248 | 27k, 5%. . . . .  | 3198 021 52730 | 3544 | 6.8k, 1%, Metal Film . . . . .             | 2322 156 26802 |
| 3249 | 820 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 08210 | 3545 | 82k, 5%. . . . .                           | 3198 021 58230 |
| 3251 | 100 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 01010 | 3546 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3254 | 1M, 5%. . . . .   | 3198 021 51050 | 3547 | 0.33 ohm, 5%, 1W, Power Resistor . . . . . | 3198 012 13370 |
| 3256 | 1k, 5%. . . . .   | 3198 021 51020 | 3548 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3257 | 10Meg, 5%. . . . .  | 3198 021 51060 | 3549 | 470 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 04710 |
| 3258 | 330k, 5%. . . . .   | 3198 021 53340 | 3552 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3259 | 470k, 5%. . . . .   | 3198 021 54740 | 3559 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3311 | 3.9k, 5%. . . . .   | 3198 021 53920 | 3561 | 220 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 02210 |
| 3312 | 330 ohm, 5%. . . . .  | 3198 021 53310 | 3562 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3313 | 10 ohm, 5%. . . . .   | 3198 021 51090 | 3563 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3314 | 18k, 5%, Metal Film. . . . .                                  | 2322 195 63183 | 3564 | 4.7 ohm, 5%, 2W, Power Resistor. . . . .   | 3198 012 24780 |
| 3316 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                  | 2306 204 03689 | 3565 | 330 ohm, 5%, 1W, Power Resistor. . . . .   | 3198 012 13310 |
| 3317 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3566 | 2.2k, 5%. . . . .                          | 3198 021 52220 |
| 3321 | 3.9k, 5%. . . . .   | 3198 021 53920 | 3569 | 5.6k, 5%. . . . .                          | 3198 021 55620 |
| 3322 | 330 ohm, 5%. . . . .  | 3198 021 53310 | 3580 | 47k, 5%. . . . .                           | 3198 021 54730 |
| 3323 | 10 ohm, 5%. . . . .   | 3198 021 51090 | 3603 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3324 | 18k, 5%, Metal Film. . . . .                                  | 2322 195 63183 | 3604 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3326 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                  | 2306 204 03689 | 3605 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3327 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3606 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3331 | 3.9k, 5%. . . . .   | 3198 021 53920 | 3607 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3332 | 330 ohm, 5%. . . . .  | 3198 021 53310 | 3608 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3333 | 10 ohm, 5%. . . . .   | 3198 021 51090 | 3611 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3334 | 18k, 5%, Metal Film. . . . .                                  | 2322 195 63183 | 3614 | 4.7k, 5%, 1/6W Carbon. . . . .             | 3198 011 04720 |
| 3336 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                  | 2306 204 03689 | 3615 | 10k, 5%, 1/6W Carbon . . . . .             | 3198 011 01030 |
| 3337 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3617 | 4.7k, 5%, 1/6W Carbon. . . . .             | 3198 011 04720 |
| 3341 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3618 | 6.8k, 5%, 1/6W Carbon. . . . .             | 3198 011 06820 |
| 3347 | 220 ohm, 5% Fusible Resistor NFR25 . . . . .                  | 2306 204 03221 | 3619 | 8.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 08220 |
| 3348 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3622 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3349 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                  | 2306 204 03158 | 3623 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3350 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                  | 2306 204 03158 | 3624 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3401 | 330k, 5%. . . . .   | 2322 242 13334 | 3625 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3402 | 18k, 5%, 1/6W Carbon . . . . .                                | 3198 011 01830 | 3626 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3403 | 22 ohm, 5%, 3W, Power Resistor . . . . .                      | 3198 012 32290 | 3627 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3404 | 6.8 ohm, 5%, Fusible Resistor NFR25. . . . .                  | 2306 204 03688 | 3628 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3406 | 10k, 5%, 1/6W Carbon . . . . .                                | 3198 011 01030 | 3630 | 2.2k, 5%. . . . .                          | 3198 021 52220 |
| 3407 | 220 ohm, 5%, 3W, Power Resistor. . . . .                      | 3198 012 32210 | 3632 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3408 | 1k, 5%, 1/6W Carbon. . . . .                                  | 3198 011 01020 | 3636 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3410 | 33k, 5%. . . . .  | 3198 021 53330 | 3681 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3411 | 10 ohm, 5% Fusible Resistor NFR25. . . . .                    | 2306 204 03109 | 3682 | 3.3k, 5%. . . . .                          | 3198 021 53320 |
| 3412 | 3.3k, 1%, Metal Film . . . . .                                | 2322 156 23302 | 3683 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3413 | 10k, 5%. . . . .  | 3198 021 51030 | 3684 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3414 | 1.5k, 1%, Metal Film . . . . .                                | 2322 156 21502 | 3685 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3415 | 1k, 5%, 1/6W Carbon. . . . .                                  | 3198 011 01020 | 3686 | 1.5k, 5%. . . . .                          | 3198 021 51520 |
| 3416 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                  | 2306 204 03689 | 3691 | 330 ohm, 5%. . . . .                       | 3198 021 53310 |
| 3417 | 33k, 5%, 1/6W Carbon . . . . .                                | 3198 011 03330 | 3693 | 220 ohm, 5%. . . . .                       | 3198 021 52210 |
| 3418 | 33k, 5%. . . . .  | 3198 021 53330 | 3694 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3419 | 6.8k, 5%. . . . .   | 3198 021 56820 | 3901 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3420 | 33k, 5%. . . . .  | 3198 021 53330 | 3902 | 3.3k, 5%. . . . .                          | 3198 021 53320 |
| 3421 | 6.8 ohm, 5%, 2W, Power Resistor. . . . .                      | 3198 012 26880 | 3903 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3422 | 100 ohm, 5%. . . . .  | 3198 021 51010 | 3904 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3423 | 820 ohm, 5%. . . . .  | 3198 021 58210 | 3907 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3424 | 100 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 01010 | 3941 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3425 | 15k, 5%, 1/6W Carbon . . . . .                                | 3198 011 01530 | 3942 | 3.9k, 5%. . . . .                          | 3198 021 53920 |
| 3426 | 1M, 5%. . . . .   | 3198 021 51050 | 3943 | 2.7k, 5%. . . . .                          | 3198 021 52720 |
| 3427 | 12k, 5%, 1/6W Carbon . . . . .                                | 3198 011 01230 | 3944 | 2.7k, 5%. . . . .                          | 3198 021 52720 |
| 3428 | 39 ohm, 5% Fusible Resistor NFR25H . . . . .                  | 2306 207 03399 | 3945 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3431 | 3.3k, 5%. . . . .   | 3198 021 53320 | 3946 | 18k, 5%. . . . .                           | 3198 021 51830 |
| 3432 | 22 ohm, 5%, 1/6W Carbon. . . . .                              | 3198 011 02290 | 3947 | 330 ohm, 5%. . . . .                       | 3198 021 53310 |
| 3471 | 6.8 ohm, 1%, Metal Film. . . . .                              | 2322 156 26808 | 3948 | 47k, 5%. . . . .                           | 3198 021 54730 |
| 3472 | 3.9 ohm, 1%, Metal Film. . . . .                              | 2322 156 23908 | 3949 | 15k, 5%. . . . .                           | 3198 021 51530 |
| 3473 | 2.2k, 1%, Metal Film . . . . .                                | 2322 156 22202 | 3950 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3474 | 1k, 5%, 1/6W Carbon. . . . .                                  | 3198 011 01020 | 3951 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3475 | 2.2k, 1%, Metal Film . . . . .                                | 2322 156 22202 | 3981 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3476 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                  | 2306 204 03158 | 3982 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3477 | 220 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 02210 | 4001 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3478 | 220 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 02210 | 4002 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3479 | 1k, 5%, 1/6W Carbon. . . . .                                  | 3198 011 01020 | 4181 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3500 | 3.3Meg, 5%. . . . .   | 2322 242 13335 | 4212 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3501 | 3.3Meg, 5%. . . . .   | 2322 242 13335 | 4216 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3502 | 4.7 ohm, 20%, 3.1W, Negative Temperature Coefficient. . . . . | 2122 612 00055 | 4217 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3503 | 10 ohm, 30%, 120V, Positive Temperature Coefficient. . . . .  | 2120 661 00026 | 4410 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3506 | Jumper Wire. . . . .  | 0322 179 00003 | 4501 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3507 | Surge Protector DSP-301N-A21F. . . . .                        | 2422 549 43073 | 4613 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3519 | 270 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 02710 | 4614 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3520 | 1.2k, 5%. . . . .   | 3198 021 51220 | 4615 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3521 | 4.7 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 04780 | 4616 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3522 | 330k, 5%. . . . .   | 3198 021 53340 | 4617 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3523 | 100 ohm, 5%, Fusible Resistor NFR25 . . . . .                 | 2306 204 03101 | 4618 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3524 | 56k, 5%. . . . .  | 3198 021 55630 | 4619 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3525 | 1k, 5%. . . . .   | 3198 021 51020 | 4622 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3526 | 0.15 ohm, 5%, 1W, Power Resistor . . . . .                    | 3198 012 11570 | 4623 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3527 | 2.2k ohm, 5%, Fusible Resistor NFR25 . . . . .                | 2306 204 03222 | 4691 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3528 | 10k, 5%. . . . .  | 3198 021 51030 | 4692 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3529 | 47k, 5%. . . . .  | 3198 021 54730 | 4693 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3530 | 4.7k, 5%. . . . .   | 3198 021 54720 | 4807 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |   |                | 4811 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |   |                | 4812 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |

## 14LW102221 (continued)

|      |  |                |      |                                    |                |
|------|--|----------------|------|------------------------------------|----------------|
| 4813 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7405 | Transistor BC857B . . . . .        | 3198 010 42150 |
| 4814 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7406 | Transistor BC857B . . . . .        | 3198 010 42150 |
| 4901 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7407 | Power Transistor BD135-16. . . . . | 3198 020 41190 |
| 4911 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7408 | Power Transistor BD135-17. . . . . | 3198 020 41190 |
| 4982 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7409 | Transistor BC857B . . . . .        | 3198 010 42150 |
| 5001 | Fixed Inductor, 5.6uH, 10% . . . . .             | 3198 018 25680 | 7471 | IC, TDA9302H . . . . .             | 9322 088 25682 |
| 5002 | Fixed Inductor, 0.82uH, 10% . . . . .            | 3198 018 18270 | 7515 | Opto-Coupler, TCET1103(G). . . . . | 9322 140 14667 |
| 5201 | Fixed Inductor, 6.8uH, 5% . . . . .              | 3198 018 16880 | 7520 | IC, TEA1507P/N1. . . . .           | 9352 673 56112 |
| 5202 | Fixed Inductor, 10uH, 10% . . . . .              | 3198 018 21090 | 7521 | Power FET, STP5NC50FP. . . . .     | 9322 160 71687 |
| 5241 | Fixed Inductor, 10uH, 10% . . . . .              | 3198 018 21090 | 7522 | Transistor BC847B . . . . .        | 3198 010 42030 |
| 5242 | Fixed Inductor, 10uH, 5% . . . . .               | 3198 018 11090 | 7540 | Transistor BC547B. . . . .         | 3198 020 40030 |
| 5341 | Fixed Inductor, 12uH, 5% SPT0508 . . . . .       | 2422 535 95598 | 7541 | Transistor PDTCL14ET. . . . .      | 9340 310 10215 |
| 5342 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 7542 | Transistor BC857B . . . . .        | 3198 010 42150 |
| 5403 | Fixed Inductor, 27uH, 10%, LHL08 . . . . .       | 2422 535 94888 | 7560 | IC, L78L33ACZ. . . . .             | 9322 134 92676 |
| 5408 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7561 | Transistor PDTCL143ZT. . . . .     | 9340 547 00215 |
| 5410 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7602 | IC M24C16-WBN6 . . . . .           | 9322 147 25682 |
| 5444 | Signal Driver Transformer SC10009-03. . . . .    | 2422 531 02446 | 7902 | IC, AN7523N. . . . .               | 9322 158 66667 |
| 5445 | LOT Transformer MSLOT4 . . . . .                 | 3128 138 21541 | 7941 | Transistor BC847B . . . . .        | 3198 010 42030 |
| 5502 | AC Filter. . . . .                               | 2422 549 44284 | 7942 | Transistor BC847B . . . . .        | 3198 010 42030 |
| 5520 | Transformer SS28011-04. . . . .                  | 2422 531 02458 | 7943 | Transistor BC847B . . . . .        | 3198 010 42030 |
| 5521 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9181 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5560 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9503 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5561 | Fixed Inductor, 27uH, 10% . . . . .              | 3198 018 22790 | 9692 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5562 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9696 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5563 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9814 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5602 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9820 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5603 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9821 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5604 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9822 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5833 | Jumper Wire. . . . .                             | 0322 179 00003 | 9824 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6001 | Diode Regulator, BZX79-C33 (33Volt). . . . .     | 3198 010 23390 | 9825 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6201 | Diode, BAV21 . . . . .                           | 3198 010 10630 | 9825 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6202 | Diode, BAS316 . . . . .                          | 3198 010 10630 | 9826 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6206 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 | 9827 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6241 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 | 9828 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6311 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9829 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6321 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9830 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6331 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9832 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6341 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9833 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6342 | Diode, 1N4148. . . . .                           | 3198 010 10010 | 9982 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6343 | Diode Regulator, BZX384-C8V2 (8.2Volt) . . . . . | 3198 020 58280 | CBA  | Main Chassis . . . . .             | 3139 178 85481 |
| 6401 | Diode, BAV21 . . . . .                           | 3198 010 10070 |      |                                    |                |
| 6402 | Diode Rectifier, BYV27-200 . . . . .             | 9322 126 72673 |      |                                    |                |
| 6404 | Diode Rectifier, BYD33D. . . . .                 | 9337 410 30133 |      |                                    |                |
| 6405 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6406 | Diode, BAV70. . . . .                            | 9331 849 10215 |      |                                    |                |
| 6407 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6408 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6409 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6410 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6413 | Diode, 1N4148. . . . .                           | 3198 010 10010 |      |                                    |                |
| 6414 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 |      |                                    |                |
| 6415 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6419 | Diode Regulator, BZX79-C5V6 (5.6Volt). . . . .   | 3198 010 25680 |      |                                    |                |
| 6420 | Diode Regulator, BZX79-C9V1 (9.1Volt). . . . .   | 9331 177 80133 |      |                                    |                |
| 6423 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6471 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6500 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |                                    |                |
| 6501 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |                                    |                |
| 6502 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |                                    |                |
| 6503 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |                                    |                |
| 6520 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6523 | Diode, 1N4148. . . . .                           | 3198 010 10010 |      |                                    |                |
| 6540 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 |      |                                    |                |
| 6541 | Diode Regulator, BZX79-C10 (10Volt). . . . .     | 3198 010 21090 |      |                                    |                |
| 6560 | Diode Rectifier, BYW76-RAS15/10. . . . .         | 9322 127 32682 |      |                                    |                |
| 6562 | Diode Rectifier, EGP20DL-5100. . . . .           | 9322 164 42682 |      |                                    |                |
| 6563 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6565 | Diode, BAV70. . . . .                            | 9331 849 10215 |      |                                    |                |
| 6566 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6569 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6570 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 |      |                                    |                |
| 6681 | Diode, BAT85 . . . . .                           | 9336 247 60133 |      |                                    |                |
| 6691 | LED, VS LTL-10224WHCR. . . . .                   | 9322 050 99682 |      |                                    |                |
| 6692 | IR Receiver, TSOP1836UH3V. . . . .               | 9322 127 54667 |      |                                    |                |
| 6901 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 7200 | IC, 2US1 Software Cluster. . . . .               | 9352 699 88557 |      |                                    |                |
| 7201 | Transistor BC847B . . . . .                      | 3198 010 42030 |      |                                    |                |
| 7204 | Transistor BC857B . . . . .                      | 3198 010 42150 |      |                                    |                |
| 7241 | Transistor PDTA114ET. . . . .                    | 3198 010 44010 |      |                                    |                |
| 7311 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7312 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7313 | Transistor BF423 . . . . .                       | 3198 020 43020 |      |                                    |                |
| 7321 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7322 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7323 | Transistor BF423 . . . . .                       | 3198 020 43020 |      |                                    |                |
| 7331 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7332 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7333 | Transistor BF423 . . . . .                       | 3198 020 43020 |      |                                    |                |
| 7401 | Transistor PDTCL143ZT. . . . .                   | 9340 547 00215 |      |                                    |                |
| 7402 | Power Transistor BUT11APX-1200 . . . . .         | 9340 563 21127 |      |                                    |                |
| 7403 | Transistor BC337-25. . . . .                     | 3198 020 43530 |      |                                    |                |
| 7404 | Transistor BC636 . . . . .                       | 9332 219 50126 |      |                                    |                |

S = Safety Part Be sure to use exact replacement part.

## Model 14LW102/221 Cabinet Parts

|        | Model 14LW102/221 Cabinet Parts          |                |
|--------|--|----------------|
| S AC01 | AC Power Cord. . . . .                   | 3135 010 07291 |
| AC03   | Cabinet Back . . . . .                   | 3139 137 90291 |
| AC04   | Cabinet Front. . . . .                   | 3139 137 82911 |
| AC05   | Chassis Guide. . . . .                   | 3139 124 34091 |
| AC06   | Control Buttons. . . . .                 | 3139 137 79211 |
| S AC08 | CRT A34EJM34X113 . . . . .               | 9301 815 60361 |
| S AC09 | Degaussing Coil. . . . .                 | 2422 549 44427 |
| AC10   | Degaussing Coil Holder (2 used). . . . . | 3135 013 01641 |
| AC11   | Light Guide. . . . .                     | 3139 124 35851 |
| AC13   | Owner's Manual . . . . .                 | 3121 235 20161 |
| AC14   | Power Button . . . . .                   | 3139 137 79201 |
| REMOTE | Remote Transmitter . . . . .             | 3139 228 87541 |
| AC16   | Speaker, 8W, 16 ohm. . . . .             | 2422 264 00407 |
| S AC18 | Deflection Yoke. . . . .                 | 3306 133 24671 |
| AC21   | Batteries f Remote Transmitter . . . . . | 9299 000 65263 |
| AC24   | Degaussing Coil Spring . . . . .         | 3139 121 26231 |
| AC32   | Assembly Braid . . . . .                 | 3135 010 07331 |
| AC33   | Cabinet Door . . . . .                   | 3139 137 82951 |

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## Main Chassis

|              |  |                |      |  |      |     |       |
|--------------|--|----------------|------|--|------|-----|-------|
| Main Chassis |  |                | 2423 | 10uF., 20%, 100V, Electrolytic . . . .   | 2020 | 021 | 90813 |
| 0127         | 2 Pin Fuse Socket. . . . .               | 3122 358 71251 | 2471 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 0138         | IC-SPRING FOR ITEM 7471 (IC TDA9302H).   | 3104 301 22081 | 2472 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 0139         | IC-SPRING 7402 . . . . .                 | 3139 121 24581 | 2473 | 100uF., 20%, 50V, Electrolytic . . . .   | 2020 | 021 | 90587 |
| 0211         | 2 Pin Connector (AC Input Plug). . . .   | 2422 025 16269 | 2475 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 0212         | 2 Pin Connector (Degaussing Plug (RED))  | 2422 025 16375 | 2476 | 0.22uF., 10%, 50V, Metalized Polyester   | 3198 | 014 | 02240 |
| 0217         | 3 Pin Connector. . . . .                 | 2412 020 00725 | 2477 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 0218         | 2 Pin Connector. . . . .                 | 2422 026 04637 | 2500 | 0.47uF., 20%, 275V, Metalized Polypropyl |      |     |       |
| 0220         | 3 Pin Connector. . . . .                 | 2422 025 04851 |      | ene. . . . .                             | 2022 | 330 | 00018 |
| 0221         | 6 Pin Connector. . . . .                 | 2422 025 15503 | 2501 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0222         | 2 Pin Connector. . . . .                 | 2422 025 10646 | 2502 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0232         | Headphone Jack . . . . .                 | 2422 026 04747 | 2503 | 220uF., 20%, 200V, Electrolytic . . . .  | 2020 | 024 | 90557 |
| 0243         | 6 Pin Connector. . . . .                 | 2422 025 04854 | 2504 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0244         | 3 Pin Connector. . . . .                 | 2422 025 04851 | 2505 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0245         | 6 Pin Connector. . . . .                 | 2422 025 04854 | 2506 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0246         | 3 Pin Connector. . . . .                 | 2412 020 00725 | 2508 | 470pF., 1kV, 10%, Ceramic. . . . .       | 3198 | 019 | 64710 |
| 0254         | 9 Pin CRT Socket (M-NECK). . . . .       | 2422 500 80068 | 2515 | 1500pF., 250V, 20%, Ceramic. . . . .     | 2020 | 554 | 90172 |
| 1000         | Tuner V+U PLL F ENV56D98G3 . . . . .     | 2422 542 90108 | 2520 | 0.1uF., 16V, Ceramic . . . . .           | 3198 | 017 | 01040 |
| 1002         | 45.75 MHz Saw Filter F072TPL-A . . . .   | 2422 549 44327 | 2521 | 22uF., 20%, 50V, Electrolytic. . . . .   | 3198 | 025 | 52290 |
| 1200         | 4.5MHz Ceramic Filter, TPS*MB. . . . .   | 2422 549 40807 | 2522 | 0.1uF., 16V, Ceramic . . . . .           | 3198 | 017 | 01040 |
| 1500         | 5 Amp, 250V, Fuse (5X20) . . . . .       | 2422 086 10905 | 2523 | 1500pF., 2kV, 10%, Ceramic . . . . .     | 2020 | 558 | 90489 |
| 1600         | Tact Switch. . . . .                     | 2422 128 02742 | 2525 | 470pF., 50V, Ceramic. . . . .            | 3198 | 017 | 04710 |
| 1601         | Tact Switch. . . . .                     | 2422 128 02742 | 2526 | 0.001uF., 50V, Ceramic . . . . .         | 3198 | 017 | 01020 |
| 1602         | Tact Switch. . . . .                     | 2422 128 02742 | 2527 | 470pF., 50V, Ceramic. . . . .            | 3198 | 017 | 04710 |
| 1603         | Tact Switch. . . . .                     | 2422 128 02742 | 2540 | 0.015uF., 50V, Ceramic . . . . .         | 3198 | 017 | 01530 |
| 1606         | Tact Switch. . . . .                     | 2422 128 02742 | 2560 | 1000pF., 1kV, 10%, Ceramic . . . . .     | 3198 | 019 | 61020 |
| 1660         | 12MHz, Crystal Resonator, HC49/U A . .   | 2422 543 01203 | 2561 | 47uF., 20%, 160V, Electrolytic . . . . . | 2020 | 021 | 91358 |
| 2004         | 0.047uF., 25V, Ceramic . . . . .         | 3198 023 04730 | 2562 | 1000pF., 50V, Ceramic . . . . .          | 3198 | 019 | 11020 |
| 2005         | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 025 51090 | 2563 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 2006         | 470uF., 20%, 16V, Electrolytic . . . .   | 3198 025 24710 | 2564 | 2200uF., 20%, 16V, Electrolytic. . . . . | 2020 | 012 | 93057 |
| 2007         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2565 | 470pF., 1kV, 10%, Ceramic. . . . .       | 3198 | 019 | 64710 |
| 2008         | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 025 31010 | 2567 | 47uF., 20%, 25V, Electrolytic. . . . .   | 3198 | 025 | 34790 |
| 2009         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2568 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 51080 |
| 2181         | 22pF., 50V, Ceramic. . . . .             | 3198 016 02290 | 2569 | 470pF., 50V, Ceramic. . . . .            | 3198 | 017 | 04710 |
| 2182         | 330pF., 50V, Ceramic . . . . .           | 3198 016 03310 | 2580 | 47uF., 20%, 25V, Electrolytic. . . . .   | 3198 | 025 | 34790 |
| 2184         | 2.2uF., 10V, Ceramic . . . . .           | 3198 017 22250 | 2601 | 0.22uF., 25V, Ceramic. . . . .           | 3198 | 023 | 22240 |
| 2202         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2602 | 100pF., 50V, Ceramic . . . . .           | 3198 | 016 | 01010 |
| 2203         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2606 | 1000pF., 50V, Ceramic. . . . .           | 3198 | 016 | 01020 |
| 2204         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2607 | 33pF., 50V, Ceramic. . . . .             | 3198 | 016 | 03390 |
| 2205         | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 | 2608 | 0.1uF., 25V, Ceramic. . . . .            | 3198 | 023 | 21040 |
| 2208         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2609 | 33pF., 50V, Ceramic. . . . .             | 3198 | 016 | 03390 |
| 2209         | 4.7uF., 20%, 50V, Electrolytic . . . .   | 3198 025 54780 | 2611 | 0.1uF., 25V, Ceramic. . . . .            | 3198 | 023 | 21040 |
| 2210         | 0.47uF., 20%, 50V, Electrolytic. . . .   | 3198 025 54770 | 2612 | 22pF., 50V, Ceramic. . . . .             | 3198 | 016 | 02290 |
| 2211         | 0.47uF., 16V, Ceramic . . . . .          | 3198 017 24740 | 2613 | 22pF., 50V, Ceramic. . . . .             | 3198 | 016 | 02290 |
| 2216         | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 025 31010 | 2615 | 1000pF., 50V, Ceramic. . . . .           | 3198 | 016 | 01020 |
| 2217         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2618 | 0.01uF., 50V, Ceramic. . . . .           | 3198 | 017 | 01030 |
| 2219         | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 | 2619 | 1uF., 16V, Ceramic. . . . .              | 3198 | 017 | 21050 |
| 2226         | 4700pF., 50V, Ceramic. . . . .           | 3198 017 04720 | 2691 | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 | 025 | 31010 |
| 2227         | 4700pF., 50V, Ceramic. . . . .           | 3198 017 04720 | 2902 | 220uF., 20%, 50V, Electrolytic . . . .   | 3198 | 026 | 52210 |
| 2228         | 820pF., 50V, Ceramic . . . . .           | 3198 016 08210 | 2903 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 51080 |
| 2229         | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 025 51090 | 2904 | 1uF., 16V, Ceramic. . . . .              | 3198 | 017 | 21050 |
| 2233         | 820pF., 50V, Ceramic . . . . .           | 3198 016 08210 | 2905 | 1000pF., 50V, Ceramic. . . . .           | 3198 | 016 | 01020 |
| 2241         | 4700pF., 50V, Ceramic. . . . .           | 3198 017 04720 | 2908 | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 | 025 | 51090 |
| 2242         | 1uF., 16V, Ceramic. . . . .              | 3198 017 21050 | 2941 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 51080 |
| 2243         | 2200pF., 50V, Ceramic. . . . .           | 3198 017 02220 | 2942 | 0.033uF., 50V, Ceramic . . . . .         | 3198 | 017 | 03330 |
| 2244         | 0.1uF., 10%, 63V, Metalized Polyester.   | 2222 370 75104 | 2943 | 0.1uF., 16V, Ceramic . . . . .           | 3198 | 017 | 01040 |
| 2245         | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 | 2944 | 0.047uF., 50V, Ceramic. . . . .          | 3198 | 017 | 24730 |
| 2246         | 4.7uF., 20%, 50V, Electrolytic . . . .   | 3198 025 54780 | 2945 | 0.01uF., 50V, Ceramic. . . . .           | 3198 | 017 | 01030 |
| 2247         | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 025 31010 | 2946 | 1uF., 16V, Ceramic. . . . .              | 3198 | 017 | 21050 |
| 2248         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2981 | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 | 025 | 31010 |
| 2249         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2982 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 2250         | 2.2uF., 20%, 50V, Electrolytic . . . .   | 3198 025 52280 | 2983 | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 | 025 | 31010 |
| 2252         | 1000pF., 50V, Ceramic . . . . .          | 3198 016 01020 | 2984 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 2253         | 1000pF., 50V, Ceramic. . . . .           | 3198 016 01020 | 3000 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2254         | 100pF., 50V, Ceramic . . . . .           | 3198 016 01010 | 3001 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2313         | 270pF., 50V, Ceramic . . . . .           | 3198 016 02710 | 3002 | Zero ohm "Chip" Jumper . . . . .         | 3198 | 021 | 90020 |
| 2323         | 390pF., 50V, Ceramic . . . . .           | 3198 016 03910 | 3003 | 1.5k, 5% . . . . .                       | 3198 | 021 | 51520 |
| 2331         | 390pF., 50V, Ceramic . . . . .           | 3198 016 03910 | 3004 | 8.2k, 5% . . . . .                       | 3198 | 021 | 58220 |
| 2341         | 2200pF., 1kV, 10%, Ceramic . . . . .     | 2020 558 90571 | 3005 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2342         | 0.047uF., 10%, 250V Metalized Polyester  | 2222 365 45473 | 3181 | 75 ohm, 5%, 1/6W Carbon. . . . .         | 3198 | 011 | 07590 |
| 2343         | 0.047uF., 10%, 250V Metalized Polyester  | 2222 365 45473 | 3182 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2401         | 680pF., 50V, Ceramic. . . . .            | 3198 019 16810 | 3183 | 150 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01510 |
| 2402         | 0.56uF., 5%, 250V, Metalized Polypropyl  |                | 3184 | 47k, 5%. . . . .                         | 3198 | 021 | 54730 |
|              | ene. . . . .                             | 2022 333 00088 | 3200 | 390 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 03910 |
| 2406         | 330pF., 50V, Ceramic . . . . .           | 3198 016 03310 | 3201 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2407         | 0.0082uF., 5%, 1.6kV, Metalized Polypro  |                | 3202 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
|              | pylene . . . . .                         | 2020 301 90247 | 3203 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2408         | 0.022uF., 50V, Ceramic . . . . .         | 3198 019 22230 | 3204 | 10k, 5%, 1/6W Carbon . . . . .           | 3198 | 011 | 01030 |
| 2409         | 47uF., 20%, 160V, Electrolytic . . . .   | 2020 021 91139 | 3206 | 100k, 5% . . . . .                       | 3198 | 021 | 51040 |
| 2410         | 470uF., 20%, 16V, Electrolytic . . . .   | 2020 021 91577 | 3207 | 1k, 5%, 1/6W Carbon. . . . .             | 3198 | 011 | 01020 |
| 2411         | 47uF., 20%, 25V, Electrolytic. . . . .   | 2020 021 90586 | 3208 | 220 ohm, 5%. . . . .                     | 3198 | 021 | 52210 |
| 2412         | 0.033uF., 10%, 100V, Metalized Polyester | 2222 347 90236 | 3209 | 68 ohm, 5% . . . . .                     | 3198 | 021 | 56890 |
| 2413         | 10uF., 20%, 250V, Electrolytic . . . .   | 2020 012 93495 | 3212 | 470 ohm, 5%. . . . .                     | 3198 | 021 | 54710 |
| 2414         | 1000uF., 20%, 16V, Electrolytic. . . .   | 2020 021 91049 | 3213 | 560 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 05610 |
| 2416         | 470pF., 2kV, 10%, Ceramic. . . . .       | 2020 558 90483 | 3217 | 330k, 5% . . . . .                       | 3198 | 021 | 53340 |
| 2417         | 1000uF., 20%, 16V, Electrolytic. . . .   | 2020 021 91049 | 3218 | 82k, 5%. . . . .                         | 3198 | 021 | 58230 |
| 2418         | 0.01uF., 50V, Ceramic . . . . .          | 3198 017 01030 | 3219 | 2.2k, 5%. . . . .                        | 3198 | 021 | 52220 |
| 2419         | 1uF., 20%, 50V, Electrolytic . . . . .   | 2020 021 91147 | 3226 | 560 ohm, 5%. . . . .                     | 3198 | 021 | 55610 |
| 2420         | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 025 51080 | 3232 | 2.2k, 5% . . . . .                       | 3198 | 021 | 52220 |
| 2421         | 0.047uF., 50V, Ceramic. . . . .          | 3198 017 24730 | 3235 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2422         | 470uF., 20%, 16V, Electrolytic . . . .   | 2020 021 91577 | 3241 | 22k, 5%. . . . .                         | 3198 | 021 | 52230 |
|              |  |                | 3242 | 27k, 5%. . . . .                         | 3198 | 021 | 52730 |

# 14LX100121 (continued)

|      |  |                |      |  |                |
|------|--|----------------|------|--|----------------|
| 3244 | 820 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 08210 | 3531 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3245 | 39k, 5%. . . . .   | 3198 021 53930 | 3541 | 470 ohm, 5%. . . . .                       | 3198 021 54710 |
| 3246 | 10k, 5%. . . . .   | 3198 021 51030 | 3542 | 1.5k, 5%. . . . .                          | 3198 021 51520 |
| 3247 | 220k, 5%. . . . .  | 3198 021 52240 | 3543 | 82k, 1%, Metal Film. . . . .               | 2322 156 28203 |
| 3248 | 27k, 5%. . . . .   | 3198 021 52730 | 3544 | 6.8k, 1%, Metal Film . . . . .             | 2322 156 26802 |
| 3249 | 820 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 08210 | 3545 | 82k, 5%. . . . .                           | 3198 021 58230 |
| 3251 | 100 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01010 | 3546 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3254 | 1M, 5%. . . . .  | 3198 021 51050 | 3547 | 0.33 ohm, 5%, 1W, Power Resistor . . . . . | 3198 012 13370 |
| 3256 | 1k, 5%. . . . .  | 3198 021 51020 | 3548 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3257 | 10Meg, 5%. . . . .   | 3198 021 51060 | 3549 | 470 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 04710 |
| 3258 | 330k, 5%. . . . .  | 3198 021 53340 | 3552 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3259 | 470k, 5%. . . . .  | 3198 021 54740 | 3559 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3311 | 3.9k, 5%. . . . .  | 3198 021 53920 | 3561 | 220 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 02210 |
| 3312 | 330 ohm, 5%. . . . .   | 3198 021 53310 | 3562 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3313 | 10 ohm, 5%. . . . .  | 3198 021 51090 | 3563 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3314 | 18k, 5%, Metal Film. . . . .                                     | 2322 195 63183 | 3564 | 4.7 ohm, 5%, 2W, Power Resistor. . . . .   | 3198 012 24780 |
| 3316 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3565 | 330 ohm, 5%, 1W, Power Resistor. . . . .   | 3198 012 13310 |
| 3317 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3566 | 2.2k, 5%. . . . .                          | 3198 021 52220 |
| 3321 | 3.9k, 5%. . . . .  | 3198 021 53920 | 3569 | 5.6k, 5%. . . . .                          | 3198 021 55620 |
| 3322 | 330 ohm, 5%. . . . .   | 3198 021 53310 | 3580 | 47k, 5%. . . . .                           | 3198 021 54730 |
| 3323 | 10 ohm, 5%. . . . .  | 3198 021 51090 | 3603 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3324 | 18k, 5%, Metal Film. . . . .                                     | 2322 195 63183 | 3604 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3326 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3605 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3327 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3606 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3331 | 3.9k, 5%. . . . .  | 3198 021 53920 | 3607 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3332 | 330 ohm, 5%. . . . .   | 3198 021 53310 | 3608 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3333 | 10 ohm, 5%. . . . .  | 3198 021 51090 | 3611 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3334 | 18k, 5%, Metal Film. . . . .                                     | 2322 195 63183 | 3614 | 4.7k, 5%, 1/6W Carbon. . . . .             | 3198 011 04720 |
| 3336 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3615 | 10k, 5%, 1/6W Carbon . . . . .             | 3198 011 01030 |
| 3337 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3617 | 4.7k, 5%, 1/6W Carbon. . . . .             | 3198 011 04720 |
| 3341 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3618 | 6.8k, 5%, 1/6W Carbon. . . . .             | 3198 011 06820 |
| 3347 | 220 ohm, 5% Fusible Resistor NFR25 . . . . .                     | 2306 204 03221 | 3619 | 8.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 08220 |
| 3348 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3622 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3349 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                     | 2306 204 03158 | 3623 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3350 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                     | 2306 204 03158 | 3624 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3401 | 330k, 5%. . . . .  | 2322 242 13334 | 3625 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3402 | 18k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01830 | 3626 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3403 | 22 ohm, 5%, 3W, Power Resistor . . . . .                         | 3198 012 32290 | 3627 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3404 | 6.8 ohm, 5%, Fusible Resistor NFR25. . . . .                     | 2306 204 03688 | 3628 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3406 | 10k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01030 | 3630 | 2.2k, 5%. . . . .                          | 3198 021 52220 |
| 3407 | 220 ohm, 5%, 3W, Power Resistor. . . . .                         | 3198 012 32210 | 3632 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3408 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 3636 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3410 | 33k, 5%. . . . .   | 3198 021 53330 | 3681 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3411 | 10 ohm, 5% Fusible Resistor NFR25. . . . .                       | 2306 204 03109 | 3682 | 3.3k, 5%. . . . .                          | 3198 021 53320 |
| 3412 | 3.3k, 1%, Metal Film . . . . .                                   | 2322 156 23302 | 3683 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3413 | 10k, 5%. . . . .   | 3198 021 51030 | 3684 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3414 | 1.5k, 1%, Metal Film . . . . .                                   | 2322 156 21502 | 3685 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3415 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 3686 | 1.5k, 5%. . . . .                          | 3198 021 51520 |
| 3416 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3691 | 330 ohm, 5%. . . . .                       | 3198 021 53310 |
| 3417 | 33k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 03330 | 3693 | 220 ohm, 5%. . . . .                       | 3198 021 52210 |
| 3418 | 33k, 5%. . . . .   | 3198 021 53330 | 3694 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3419 | 6.8k, 5%. . . . .  | 3198 021 56820 | 3901 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3420 | 33k, 5%. . . . .   | 3198 021 53330 | 3902 | 3.3k, 5%. . . . .                          | 3198 021 53320 |
| 3421 | 6.8 ohm, 5%, 2W, Power Resistor. . . . .                         | 3198 012 26880 | 3903 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3422 | 100 ohm, 5%. . . . .   | 3198 021 51010 | 3904 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3423 | 820 ohm, 5%. . . . .   | 3198 021 58210 | 3907 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3424 | 100 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01010 | 3941 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3425 | 15k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01530 | 3942 | 3.9k, 5%. . . . .                          | 3198 021 53920 |
| 3426 | 1M, 5%. . . . .  | 3198 021 51050 | 3943 | 2.7k, 5%. . . . .                          | 3198 021 52720 |
| 3427 | 12k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01230 | 3944 | 2.7k, 5%. . . . .                          | 3198 021 52720 |
| 3428 | 39 ohm, 5% Fusible Resistor NFR25H . . . . .                     | 2306 207 03399 | 3945 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3431 | 3.3k, 5%. . . . .  | 3198 021 53320 | 3946 | 18k, 5%. . . . .                           | 3198 021 51830 |
| 3432 | 22 ohm, 5%, 1/6W Carbon. . . . .                                 | 3198 011 02290 | 3947 | 330 ohm, 5%. . . . .                       | 3198 021 53310 |
| 3471 | 6.8 ohm, 1%, Metal Film. . . . .                                 | 2322 156 26808 | 3948 | 47k, 5%. . . . .                           | 3198 021 54730 |
| 3472 | 3.9 ohm, 1%, Metal Film. . . . .                                 | 2322 156 23908 | 3949 | 15k, 5%. . . . .                           | 3198 021 51530 |
| 3473 | 2.2k, 1%, Metal Film . . . . .                                   | 2322 156 22202 | 3950 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3474 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 3951 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3475 | 2.2k, 1%, Metal Film . . . . .                                   | 2322 156 22202 | 3981 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3476 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                     | 2306 204 03158 | 3982 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3477 | 220 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02210 | 4001 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3478 | 220 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02210 | 4002 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3479 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 4181 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3500 | 3.3Meg, 5%. . . . .  | 2322 242 13335 | 4212 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3501 | 3.3Meg, 5%. . . . .  | 2322 242 13335 | 4216 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3502 | 4.7 ohm, 20%, 3.1W, Negative Temperature<br>Coefficient. . . . . | 2122 612 00055 | 4217 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3503 | 10 ohm, 30%, 120V, Positive Temperature<br>Coefficient. . . . .  | 2120 661 00026 | 4410 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3506 | Jumper Wire. . . . .   | 0322 179 00003 | 4501 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3507 | Surge Protector DSP-301N-A21F. . . . .                           | 2422 549 43073 | 4613 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3519 | 270 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02710 | 4614 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3520 | 1.2k, 5%. . . . .  | 3198 021 51220 | 4615 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3521 | 4.7 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 04780 | 4616 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3522 | 330k, 5%. . . . .  | 3198 021 53340 | 4617 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3523 | 100 ohm, 5%, Fusible Resistor NFR25 . . . . .                    | 2306 204 03101 | 4618 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3524 | 56k, 5%. . . . .   | 3198 021 55630 | 4619 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3525 | 1k, 5%. . . . .  | 3198 021 51020 | 4622 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3526 | 0.15 ohm, 5%, 1W, Power Resistor . . . . .                       | 3198 012 11570 | 4623 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3527 | 2.2k ohm, 5%, Fusible Resistor NFR25 . . . . .                   | 2306 204 03222 | 4691 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3528 | 10k, 5%. . . . .   | 3198 021 51030 | 4692 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3529 | 47k, 5%. . . . .   | 3198 021 54730 | 4693 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3530 | 4.7k, 5%. . . . .  | 3198 021 54720 | 4807 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |  |                | 4811 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |  |                | 4812 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |

S = Safety Part Be sure to use exact replacement part.

## 14LX100121 (continued)

|      |  |                |      |                                    |                |
|------|--|----------------|------|------------------------------------|----------------|
| 4813 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7405 | Transistor BC857B . . . . .        | 3198 010 42150 |
| 4814 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7406 | Transistor BC857B . . . . .        | 3198 010 42150 |
| 4901 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7407 | Power Transistor BD135-16. . . . . | 3198 020 41190 |
| 4911 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7408 | Power Transistor BD135-17. . . . . | 3198 020 41190 |
| 4982 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7409 | Transistor BC857B . . . . .        | 3198 010 42150 |
| 5001 | Fixed Inductor, 5.6uH, 10% . . . . .             | 3198 018 25680 | 7471 | IC, TDA9302H . . . . .             | 9322 088 25682 |
| 5002 | Fixed Inductor, 0.82uH, 10% . . . . .            | 3198 018 18270 | 7515 | Opto-Coupler, TCET1103(G). . . . . | 9322 140 14667 |
| 5201 | Fixed Inductor, 6.8uH, 5% . . . . .              | 3198 018 16880 | 7520 | IC, TEA1507P/N1. . . . .           | 9352 673 56112 |
| 5202 | Fixed Inductor, 10uH, 10% . . . . .              | 3198 018 21090 | 7521 | Power FET, STP5NC50FP. . . . .     | 9322 160 71687 |
| 5241 | Fixed Inductor, 10uH, 10% . . . . .              | 3198 018 21090 | 7522 | Transistor BC847B . . . . .        | 3198 010 42030 |
| 5242 | Fixed Inductor, 10uH, 5% . . . . .               | 3198 018 11090 | 7540 | Transistor BC547B. . . . .         | 3198 020 40030 |
| 5341 | Fixed Inductor, 12uH, 5% SPT0508 . . . . .       | 2422 535 95598 | 7541 | Transistor PDTO114ET. . . . .      | 9340 310 10215 |
| 5342 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 7542 | Transistor BC857B . . . . .        | 3198 010 42150 |
| 5403 | Fixed Inductor, 27uH, 10%, LHL08 . . . . .       | 2422 535 94888 | 7560 | IC, L78L33ACZ. . . . .             | 9322 134 92676 |
| 5408 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7561 | Transistor PDTO143ZT. . . . .      | 9340 547 00215 |
| 5410 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7602 | IC M24C16-WBN6 . . . . .           | 9322 147 25682 |
| 5444 | Signal Driver Transformer SC10009-03. . . . .    | 2422 531 02446 | 7902 | IC, AN7523N. . . . .               | 9322 158 66667 |
| 5445 | LOT Transformer MSLOT4 . . . . .                 | 3128 138 21541 | 7941 | Transistor BC847B . . . . .        | 3198 010 42030 |
| 5502 | AC Filter. . . . .                               | 2422 549 44284 | 7942 | Transistor BC847B . . . . .        | 3198 010 42030 |
| 5520 | Transformer SS28011-04. . . . .                  | 2422 531 02458 | 7943 | Transistor BC847B . . . . .        | 3198 010 42030 |
| 5521 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9181 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5560 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9503 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5561 | Fixed Inductor, 27uH, 10% . . . . .              | 3198 018 22790 | 9692 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5562 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9696 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5563 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9814 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5602 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9820 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5603 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9821 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5604 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9822 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5833 | Jumper Wire. . . . .                             | 0322 179 00003 | 9824 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6001 | Diode Regulator, BZX79-C33 (33Volt). . . . .     | 3198 010 23390 | 9825 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6201 | Diode, BAV21 . . . . .                           | 3198 010 10630 | 9825 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6202 | Diode, BAS316 . . . . .                          | 3198 010 10630 | 9826 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6206 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 | 9827 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6241 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 | 9828 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6311 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9829 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6321 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9830 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6331 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9832 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6341 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9833 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6342 | Diode, 1N4148. . . . .                           | 3198 010 10010 | 9982 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6343 | Diode Regulator, BZX384-C8V2 (8.2Volt) . . . . . | 3198 020 58280 | CBA  | Main Chassis . . . . .             | 3139 178 85481 |
| 6401 | Diode, BAV21 . . . . .                           | 3198 010 10070 |      |                                    |                |
| 6402 | Diode Rectifier, BYV27-200 . . . . .             | 9322 126 72673 |      |                                    |                |
| 6404 | Diode Rectifier, BYD33D. . . . .                 | 9337 410 30133 |      |                                    |                |
| 6405 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6406 | Diode, BAV70. . . . .                            | 9331 849 10215 |      |                                    |                |
| 6407 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6408 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6409 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6410 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6413 | Diode, 1N4148. . . . .                           | 3198 010 10010 |      |                                    |                |
| 6414 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 |      |                                    |                |
| 6415 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6419 | Diode Regulator, BZX79-C5V6 (5.6Volt). . . . .   | 3198 010 25680 |      |                                    |                |
| 6420 | Diode Regulator, BZX79-C9V1 (9.1Volt). . . . .   | 9331 177 80133 |      |                                    |                |
| 6423 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6471 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6500 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |                                    |                |
| 6501 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |                                    |                |
| 6502 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |                                    |                |
| 6503 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |                                    |                |
| 6520 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6523 | Diode, 1N4148. . . . .                           | 3198 010 10010 |      |                                    |                |
| 6540 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 |      |                                    |                |
| 6541 | Diode Regulator, BZX79-C10 (10Volt). . . . .     | 3198 010 21090 |      |                                    |                |
| 6560 | Diode Rectifier, BYW76-RAS15/10. . . . .         | 9322 127 32682 |      |                                    |                |
| 6562 | Diode Rectifier, EGP20DL-5100. . . . .           | 9322 164 42682 |      |                                    |                |
| 6563 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6565 | Diode, BAV70. . . . .                            | 9331 849 10215 |      |                                    |                |
| 6566 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6569 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6570 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 |      |                                    |                |
| 6681 | Diode, BAT85 . . . . .                           | 9336 247 60133 |      |                                    |                |
| 6691 | LED, VS LTL-10224WHCR. . . . .                   | 9322 050 99682 |      |                                    |                |
| 6692 | IR Receiver, TSOP1836UH3V. . . . .               | 9322 127 54667 |      |                                    |                |
| 6901 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 7200 | IC, 2US1 Software Cluster. . . . .               | 9352 699 88557 |      |                                    |                |
| 7201 | Transistor BC847B . . . . .                      | 3198 010 42030 |      |                                    |                |
| 7204 | Transistor BC857B . . . . .                      | 3198 010 42150 |      |                                    |                |
| 7241 | Transistor PDTA114ET. . . . .                    | 3198 010 44010 |      |                                    |                |
| 7311 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7312 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7313 | Transistor BF423 . . . . .                       | 3198 020 43020 |      |                                    |                |
| 7321 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7322 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7323 | Transistor BF423 . . . . .                       | 3198 020 43020 |      |                                    |                |
| 7331 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7332 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7333 | Transistor BF423 . . . . .                       | 3198 020 43020 |      |                                    |                |
| 7401 | Transistor PDTO143ZT. . . . .                    | 9340 547 00215 |      |                                    |                |
| 7402 | Power Transistor BUT11APX-1200 . . . . .         | 9340 563 21127 |      |                                    |                |
| 7403 | Transistor BC337-25. . . . .                     | 3198 020 43530 |      |                                    |                |
| 7404 | Transistor BC636 . . . . .                       | 9332 219 50126 |      |                                    |                |

### Model 14LX100/121 Cabinet Parts

|        | Model 14LX100/121 Cabinet Parts          |                |
|--------|--|----------------|
| S AC01 | AC Power Cord. . . . .                   | 3135 010 04751 |
| AC03   | Cabinet Back . . . . .                   | 3139 137 90281 |
| AC04   | Cabinet Front. . . . .                   | 3139 137 78161 |
| AC05   | Chassis Guide. . . . .                   | 3139 124 34091 |
| AC06   | Control Buttons. . . . .                 | 3139 137 79211 |
| S AC08 | CRT A34EJM34X113 . . . . .               | 9301 815 60361 |
| S AC09 | Degaussing Coil. . . . .                 | 2422 549 44427 |
| AC10   | Degaussing Coil Holder (2 used). . . . . | 3135 013 01641 |
| AC11   | Light Guide. . . . .                     | 3139 124 35851 |
| AC13   | Owner's Manual . . . . .                 | 3121 235 20151 |
| AC14   | Power Button . . . . .                   | 3139 137 79201 |
| REMOTE | Remote Transmitter . . . . .             | 3139 228 87531 |
| AC16   | Speaker, 8W, 16 ohm. . . . .             | 2422 264 00407 |
| AC18   | Deflection Yoke. . . . .                 | 3306 133 24671 |
| AC21   | Batteries f Remote Transmitter . . . . . | 9299 000 65263 |
| AC24   | Degaussing Coil Spring . . . . .         | 3139 121 26231 |
| AC32   | Assembly Braid . . . . .                 | 3135 010 07331 |
| AC33   | Cabinet Door . . . . .                   | 3139 137 80281 |

# 14RF50S3 - Manual no. 7602

## Main Chassis

| Main Chassis |  |      |           |        |   |      |           |
|--------------|--|------|-----------|--------|---|------|-----------|
|              | Main Chassis                             |      |           |        |   |      |           |
| 0139         | IC-SPRING 7402 . . . . .                 | 3139 | 121 24581 | 2473   | 100uF., 20%, 63V, Electrolytic . . . .  | 4822 | 124 40255 |
| 7200         | IC, 1US1 Software Cluster. . . . .       | 9352 | 699 87557 | 2475   | 470pF., 5%, 63V, NP0, Ceramic . . . .   | 5322 | 122 32268 |
| 7831         | IC MSP3445G-PO-B8. . . . .               | 9322 | 160 81682 | 2476   | 0.22uF., 5%, 63V, Metal Film . . . .    | 4822 | 121 42408 |
| 0127         | 2 Pin Fuse Holder. . . . .               | 4822 | 265 11253 | 2477   | 470pF., 5%, 63V, NP0, Ceramic . . . .   | 5322 | 122 32268 |
| S 0211       | 2 Pin Connector (AC Input Plug). . . .   | 4822 | 265 20723 | S 2500 | 0.47uF., 275V, Polypropylene . . . .    | 4822 | 126 13589 |
| S 0212       | 2 Pin Connector, Male (Red). . . . .     | 4822 | 267 10774 | 2501   | 2200pF., 10%, 1kV, Ceramic . . . . .    | 4822 | 126 14153 |
| 0217         | 3 Pin Connector. . . . .                 | 4822 | 267 10735 | 2502   | 2200pF., 10%, 1kV, Ceramic . . . . .    | 4822 | 126 14153 |
| 0218         | 3 Pin Connector. . . . .                 | 2422 | 026 04742 | 2503   | 220uF., 20%, 200V, Electrolytic. . . .  | 2020 | 024 90585 |
| 0220         | 3 Pin Connector. . . . .                 | 2422 | 025 04851 | 2506   | 2200pF., 10%, 1kV, Ceramic . . . . .    | 4822 | 126 14153 |
| S 0221       | 2 Pin Connector. . . . .                 | 4822 | 267 10966 | 2508   | 470pF., 10%, 1kV, Ceramic . . . . .     | 4822 | 122 50116 |
| 0222         | 2 Pin Connector. . . . .                 | 2422 | 025 10646 | S 2515 | 1500pF., 20%, 250V, Ceramic. . . . .    | 4822 | 126 14049 |
| 0223         | 3 Pin Connector. . . . .                 | 2422 | 026 05182 | 2520   | 0.1uF., 10%, 50V, Ceramic. . . . .      | 4822 | 126 14585 |
| 0225         | 4 Pin Connector. . . . .                 | 2422 | 026 04926 | 2521   | 22uF., 50V, Electrolytic . . . . .      | 4822 | 124 81151 |
| 0232         | Headphone Jack . . . . .                 | 4822 | 267 31014 | 2522   | 0.1uF., 10%, 50V, Ceramic. . . . .      | 4822 | 126 14585 |
| 0243         | 6 Pin Connector. . . . .                 | 2422 | 025 04854 | 2523   | 1500pF., 10%, 2kV, Ceramic. . . . .     | 4822 | 126 13862 |
| 0246         | 5 Pin Connector. . . . .                 | 2422 | 025 15848 | 2525   | 470pF., 10%, 63V, Ceramic. . . . .      | 5322 | 122 34099 |
| 1000         | Tuner V+U PLL. . . . .                   | 2422 | 542 90108 | 2526   | 1000pF., 10%, 63V, Ceramic . . . . .    | 5322 | 122 31647 |
| S 1500       | 4 Amp Fuse, 250V . . . . .               | 2422 | 086 10914 | 2527   | 470pF., 10%, 63V, Ceramic. . . . .      | 5322 | 122 34099 |
| 1515         | Relay, 1 Pin, 12V, 5 Amp . . . . .       | 2422 | 132 07444 | 2540   | 0.015uF., 5%, 63V, Ceramic . . . . .    | 4822 | 126 13188 |
| 1600         | Pushbutton, Switch . . . . .             | 4822 | 276 13775 | 2560   | 1000pF., 10%, 1kV, Ceramic . . . . .    | 4822 | 126 11382 |
| 1601         | Pushbutton, Switch . . . . .             | 4822 | 276 13775 | 2561   | 47uF., 20%, 160V, Electrolytic . . . .  | 4822 | 124 42336 |
| 1602         | Pushbutton, Switch . . . . .             | 4822 | 276 13775 | 2562   | 1000pF., 10%, 100V, Ceramic. . . . .    | 5322 | 122 32331 |
| 1603         | Pushbutton, Switch . . . . .             | 4822 | 276 13775 | 2563   | 0.1uF., 5%, 63V, Metal Film. . . . .    | 5322 | 121 42386 |
| 1606         | Pushbutton, Switch . . . . .             | 4822 | 276 13775 | 2564   | 2200uF., 20%, 16V, Electrolytic. . . .  | 2020 | 012 93057 |
| 1660         | Crystal Resonator, 12MHz . . . . .       | 2422 | 543 01203 | 2565   | 470pF., 10%, 1kV, Ceramic . . . . .     | 4822 | 122 50116 |
| 1831         | 18.432 MHz Crystal Resonator . . . .     | 4822 | 242 10769 | 2566   | 47uF., 20%, 25V, Electrolytic. . . . .  | 4822 | 124 40433 |
| 2004         | 0.047uF., 10%, 63V, Ceramic. . . . .     | 4822 | 126 13751 | 2567   | 47uF., 20%, 25V, Electrolytic. . . . .  | 4822 | 124 40433 |
| 2005         | 10uF., 20%, 63V, Electrolytic. . . . .   | 4822 | 124 40248 | 2568   | 1uF., 20%, 63V, Electrolytic . . . . .  | 4822 | 124 21913 |
| 2006         | 470uF., 16V, 20%, Electrolytic . . . .   | 4822 | 124 80791 | 2569   | 470pF., 10%, 63V, Ceramic. . . . .      | 5322 | 122 34099 |
| 2007         | 0.1uF., 10%, 50V, Ceramic. . . . .       | 4822 | 126 14585 | 2580   | 47uF., 20%, 25V, Electrolytic. . . . .  | 4822 | 124 40433 |
| 2008         | 100uF., 20%, 25V, Electrolytic . . . .   | 4822 | 124 40207 | 2601   | 0.22uF., 25V, +80/-20%, Ceramic. . . .  | 4822 | 126 14076 |
| 2009         | 0.022uF., 10%, 63V, Ceramic . . . . .    | 5322 | 122 32654 | 2602   | 100pF., 5%, 50V, NP0, Ceramic. . . . .  | 5322 | 122 32531 |
| 2103         | 330pF., 5%, 63V, NP0, Ceramic. . . .     | 5322 | 122 31863 | 2606   | 1000pF., 5%, 50V, Ceramic. . . . .      | 5322 | 126 10511 |
| 2122         | 330pF., 5%, 63V, NP0, Ceramic. . . .     | 5322 | 122 31863 | 2607   | 56pF., 1%, 63V, NP0, Ceramic . . . . .  | 4822 | 126 13693 |
| 2123         | 2.2uF., 10V, Ceramic . . . . .           | 4822 | 126 14491 | 2608   | 1uF., +80/-20%, 16V, Ceramic . . . . .  | 4822 | 126 14043 |
| 2124         | 330pF., 5%, 63V, NP0, Ceramic. . . .     | 5322 | 122 31863 | 2609   | 56pF., 1%, 63V, NP0, Ceramic . . . . .  | 4822 | 126 13693 |
| 2125         | 2.2uF., 10V, Ceramic . . . . .           | 4822 | 126 14491 | 2611   | 1uF., +80/-20%, 16V, Ceramic . . . . .  | 4822 | 126 14043 |
| 2135         | 22pF., 5%, 50V, Ceramic. . . . .         | 5322 | 122 32658 | 2612   | 68pF., 1%, 63V, NP0, Ceramic . . . . .  | 4822 | 126 13694 |
| 2136         | 22pF., 5%, 50V, Ceramic. . . . .         | 5322 | 122 32658 | 2613   | 68pF., 1%, 63V, NP0, Ceramic . . . . .  | 4822 | 126 13694 |
| 2141         | 330pF., 5%, 63V, NP0, Ceramic. . . .     | 5322 | 122 31863 | 2615   | 1000pF., 5%, 50V, Ceramic. . . . .      | 5322 | 126 10511 |
| 2181         | 22pF., 5%, 50V, Ceramic. . . . .         | 5322 | 122 32658 | 2618   | 1uF., +80/-20%, 16V, Ceramic . . . . .  | 4822 | 126 14043 |
| 2182         | 330pF., 5%, 63V, NP0, Ceramic. . . .     | 5322 | 122 31863 | 2619   | 1uF., +80/-20%, 16V, Ceramic . . . . .  | 4822 | 126 14043 |
| 2183         | 330pF., 5%, 63V, NP0, Ceramic. . . .     | 5322 | 122 31863 | 2691   | 100uF., 20%, 25V, Electrolytic . . . .  | 4822 | 124 40207 |
| 2184         | 2.2uF., 10V, Ceramic . . . . .           | 4822 | 126 14491 | 2801   | 22uF., 50V, Electrolytic . . . . .      | 4822 | 124 81151 |
| 2202         | 0.1uF., 10%, 50V, Ceramic. . . . .       | 4822 | 126 14585 | 2802   | 0.22uF., 25V, +80/-20%, Ceramic. . . .  | 4822 | 126 14076 |
| 2203         | 0.1uF., 10%, 50V, Ceramic. . . . .       | 4822 | 126 14585 | 2803   | 2.2uF., 10V, Ceramic . . . . .          | 4822 | 126 14491 |
| 2204         | 0.1uF., 10%, 50V, Ceramic. . . . .       | 4822 | 126 14585 | 2804   | 4.7uF., +80/-20%, 10V, Ceramic . . . .  | 2020 | 552 96305 |
| 2205         | 0.022uF., +80/-20%, 25V, Ceramic . . .   | 4822 | 126 14076 | 2805   | 4.7uF., +80/-20%, 10V, Ceramic . . . .  | 2020 | 552 96305 |
| 2208         | 0.1uF., 10%, 50V, Ceramic. . . . .       | 4822 | 126 14585 | 2831   | 1pF., 5%, 63V, NP0, Ceramic . . . . .   | 5322 | 122 32447 |
| 2209         | 4.7uF., 20%, 100V, Electrolytic. . . .   | 4822 | 124 40769 | 2832   | 1pF., 5%, 63V, NP0, Ceramic . . . . .   | 5322 | 122 32447 |
| 2210         | 0.47uF., 20%, 63V, Electrolytic. . . .   | 4822 | 124 41407 | 2833   | 47pF., 1%, 63V, NP0, Ceramic . . . . .  | 4822 | 126 13692 |
| 2211         | 0.47uF., +80/-20% 16V, Ceramic . . . .   | 4822 | 126 13482 | 2834   | 470pF., 5%, 63V, NP0, Ceramic . . . .   | 5322 | 122 32268 |
| 2216         | 100uF., 20%, 25V, Electrolytic . . . .   | 4822 | 124 40207 | 2835   | 220pF., 5%, 63V, NP0, Ceramic . . . .   | 4822 | 122 33575 |
| 2217         | 0.022uF., 10%, 63V, Ceramic . . . . .    | 5322 | 122 32654 | 2836   | 1500pF., 5%, 63V, Ceramic. . . . .      | 4822 | 126 13344 |
| 2219         | 0.22uF., 25V, +80/-20%, Ceramic. . . .   | 4822 | 126 14076 | 2837   | 4.7uF., 20%, 100V, Electrolytic . . . . | 4822 | 124 40769 |
| 2221         | 0.022uF., 10%, 63V, Ceramic . . . . .    | 5322 | 122 32654 | 2838   | 47pF., 1%, 63V, NP0, Ceramic . . . . .  | 4822 | 126 13692 |
| 2233         | 820pF., 5%, 50V, NP0, Ceramic. . . . .   | 5322 | 126 10184 | 2839   | 47pF., 1%, 63V, NP0, Ceramic . . . . .  | 4822 | 126 13692 |
| 2241         | 1500pF., 5%, 63V, Ceramic. . . . .       | 4822 | 126 13344 | 2840   | 0.1uF., 10%, 50V, Ceramic. . . . .      | 4822 | 126 14585 |
| 2242         | 1uF., +80/-20%, 16V, Ceramic . . . . .   | 4822 | 126 14043 | 2841   | 10uF., 20%, 63V, Electrolytic. . . . .  | 4822 | 124 40248 |
| 2243         | 2200uF., 10%, 63V, Ceramic . . . . .     | 4822 | 122 33127 | 2842   | 0.1uF., 10%, 50V, Ceramic. . . . .      | 4822 | 126 14585 |
| 2244         | 0.1uF., 10%, 63V, Metalized Polyester.   | 2222 | 370 75104 | 2843   | 10uF., 20%, 63V, Electrolytic. . . . .  | 4822 | 124 40248 |
| 2245         | 0.22uF., 25V, +80/-20%, Ceramic. . . .   | 4822 | 126 14076 | 2844   | 10uF., 20%, 63V, Electrolytic. . . . .  | 4822 | 124 40248 |
| 2247         | 100uF., 20%, 25V, Electrolytic . . . .   | 4822 | 124 40207 | 2845   | 0.1uF., 10%, 50V, Ceramic. . . . .      | 4822 | 126 14585 |
| 2248         | 0.022uF., 10%, 63V, Ceramic . . . . .    | 5322 | 122 32654 | 2846   | 100uF., 20%, 25V, Electrolytic . . . .  | 4822 | 124 40207 |
| 2249         | 0.022uF., 10%, 63V, Ceramic . . . . .    | 5322 | 122 32654 | 2849   | 1000pF., 5%, 50V, Ceramic. . . . .      | 5322 | 126 10511 |
| 2250         | 2.2uF., 20%, 50V, Electrolytic . . . . . | 4822 | 124 22652 | 2850   | 1000pF., 5%, 50V, Ceramic. . . . .      | 5322 | 126 10511 |
| 2252         | 1000pF., 5%, 50V, Ceramic. . . . .       | 5322 | 126 10511 | 2851   | 4.7uF., +80/-20%, 10V, Ceramic . . . .  | 2020 | 552 96305 |
| 2253         | 1000pF., 5%, 50V, Ceramic. . . . .       | 5322 | 126 10511 | 2852   | 1000pF., 5%, 50V, Ceramic. . . . .      | 5322 | 126 10511 |
| 2254         | 100pF., 5%, 50V, NP0, Ceramic. . . . .   | 5322 | 122 32531 | 2853   | 4.7uF., +80/-20%, 10V, Ceramic . . . .  | 2020 | 552 96305 |
| 2401         | Ceramic 680pF., 10%, 50V. . . . .        | 4822 | 126 13461 | 2854   | 1000pF., 5%, 50V, Ceramic. . . . .      | 5322 | 126 10511 |
| 2404         | 0.36uF., 5%, 250V, Metal Film. . . . .   | 4822 | 121 43888 | 2856   | 47pF., 1%, 63V, NP0, Ceramic . . . . .  | 4822 | 126 13692 |
| 2406         | 330pF., 5%, 63V, NP0, Ceramic. . . . .   | 5322 | 122 31863 | 2857   | 150pF., 2%, 63V, NP0, Ceramic . . . .   | 5322 | 122 33538 |
| 2407         | 8200pF., 5%, 1.6kV, Metal Film . . . .   | 4822 | 121 70637 | 2894   | 220pF., 5%, 63V, NP0, Ceramic. . . . .  | 4822 | 122 33575 |
| 2408         | 0.022uF., 80%, 63V, Ceramic. . . . .     | 4822 | 122 30103 | 2895   | 560pF., 5%, 63V, NP0, Ceramic. . . . .  | 5322 | 116 80853 |
| 2409         | 47uF., 20%, 160V, Electrolytic . . . . . | 4822 | 124 11575 | 2897   | 390pF., 5%, 50V, NP0, Ceramic. . . . .  | 4822 | 122 33172 |
| 2410         | 470uF., 20%, 16V, Electrolytic . . . .   | 2020 | 021 91577 | 2898   | 0.01uF., 20%, 50V, Ceramic . . . . .    | 4822 | 122 33177 |
| 2411         | 47uF., 25V, Electrolytic . . . . .       | 5322 | 121 10472 | 2902   | 470uF., 20%, 25V, Electrolytic . . . .  | 4822 | 124 11767 |
| 2412         | 0.033uF., 10%, 100V, Polyester . . . .   | 2222 | 347 90236 | 2903   | 1uF., 20%, 63V, Electrolytic . . . . .  | 4822 | 124 21913 |
| 2413         | 10uF., 20%, 250V, Electrolytic . . . .   | 4822 | 124 11565 | 2904   | 0.47uF., +80/-20% 16V, Ceramic . . . .  | 4822 | 126 13482 |
| 2414         | 1000uF., 20%, 16V, Electrolytic. . . .   | 4822 | 124 81145 | 2905   | 1000pF., 5%, 50V, Ceramic. . . . .      | 5322 | 126 10511 |
| 2416         | 1200pF., 10%, 2kV, Ceramic. . . . .      | 4822 | 126 13435 | 2906   | 0.47uF., +80/-20% 16V, Ceramic . . . .  | 4822 | 126 13482 |
| 2417         | 1000uF., 20%, 16V, Electrolytic. . . .   | 4822 | 124 81145 | 2907   | 1000pF., 5%, 50V, Ceramic. . . . .      | 5322 | 126 10511 |
| 2418         | 0.01uF., 20%, 50V, Ceramic . . . . .     | 4822 | 122 33177 | 2908   | 10uF., 20%, 63V, Electrolytic. . . . .  | 4822 | 124 40248 |
| 2419         | 1uF., 50V, Electrolytic. . . . .         | 4822 | 124 22776 | 2981   | 10uF., 20%, 63V, Electrolytic. . . . .  | 4822 | 124 40248 |
| 2420         | 1uF., 20%, 63V, Electrolytic . . . . .   | 4822 | 124 21913 | 2982   | 470pF., 5%, 63V, NP0, Ceramic . . . .   | 5322 | 122 32268 |
| 2421         | 0.047uF., 10%, 63V, Ceramic. . . . .     | 4822 | 126 13751 | 2983   | 10uF., 20%, 63V, Electrolytic. . . . .  | 4822 | 124 40248 |
| 2422         | 470uF., 20%, 16V, Electrolytic . . . .   | 2020 | 021 91577 | 2984   | 470pF., 5%, 63V, NP0, Ceramic. . . . .  | 5322 | 122 32268 |
| 2423         | 10uF., 20%, 100V, Electrolytic . . . .   | 4822 | 124 42127 | 3000   | 100 ohm, 5%, 1/2W, Carbon. . . . .      | 4822 | 116 52175 |
| 2471         | 0.1uF., 5%, 63V, Metal Film. . . . .     | 5322 | 121 42386 | 3001   | 100 ohm, 5%, 1/2W, Carbon. . . . .      | 4822 | 116 52175 |
| 2472         | 0.1uF., 5%, 63V, Metal Film. . . . .     | 5322 | 121 42386 | 3002   | 0 ohm, Chip Jumper . . . . .            | 4822 | 051 20008 |
|              |  |      |           | 3003   | 1.5k, 1%, 1/10W. . . . .                | 4822 | 117 11139 |
|              |  |      |           | 3004   | 8.2k, 5%, 1/10W. . . . .                | 4822 | 051 20822 |

S = Safety Part Be sure to use exact replacement part.

# 14RF50S3 (continued)

|        |                                      |                |        |                                      |                |
|--------|--------------------------------------|----------------|--------|--------------------------------------|----------------|
| 3005   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 | 3523   | Fusible Resistor, 100 ohm, 5%, 1/3W. | 4822 052 10101 |
| 3123   | 150 ohm, 5%, 1/2W, Carbon.           | 4822 116 83868 | 3524   | 56k, 1%, 1/10W                       | 4822 117 11148 |
| 3124   | 47k, 1%, 1/10W                       | 4822 117 10834 | 3525   | 1k, 2%, 1/4W                         | 4822 051 10102 |
| 3125   | 150 ohm, 5%, 1/2W, Carbon.           | 4822 116 83868 | S 3526 | Power Resistor, 0.15 ohm, 5%, 1W     | 3198 012 11570 |
| 3126   | 47k, 1%, 1/10W                       | 4822 117 10834 | 3527   | Fusible Resistor, 2.2k, 5%, 1/3W     | 4822 052 10222 |
| 3135   | 75 ohm, 5%, 1/2W, Carbon.            | 4822 116 52201 | 3528   | 10k, 1%, 1/10W                       | 4822 117 10833 |
| 3136   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 | 3529   | 47k, 1%, 1/10W                       | 4822 117 10834 |
| 3137   | 75 ohm, 5%, 1/2W, Carbon.            | 4822 116 52201 | 3530   | 4.7k, 5%, 1/10W                      | 4822 051 20472 |
| 3138   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 | 3531   | 0 ohm, Chip Jumper                   | 4822 051 20008 |
| 3141   | 1k, 1%, 2/5W                         | 4822 050 11002 | 3541   | 470 ohm, 5%, 1/10W                   | 4822 051 20471 |
| 3181   | 75 ohm, 5%, 1/2W, Carbon.            | 4822 116 52201 | 3542   | 1.5k, 1%, 1/10W                      | 4822 117 11139 |
| 3182   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 | 3543   | 82k, 1%, Metal Film                  | 2312 915 18203 |
| 3183   | 150 ohm, 5%, 1/2W, Carbon.           | 4822 116 83868 | 3544   | 6.8k, 1%, Metal Film                 | 2312 915 16802 |
| 3184   | 47k, 1%, 1/10W                       | 4822 117 10834 | 3545   | 82k, 1%, 1/10W                       | 4822 117 11149 |
| 3185   | 150 ohm, 5%, 1/2W, Carbon.           | 4822 116 83868 | 3546   | 0 ohm, Chip Jumper                   | 4822 051 20008 |
| 3186   | 47k, 1%, 1/10W                       | 4822 117 10834 | S 3547 | 0.33 ohm, 5%, 2W, Power Resistor     | 4822 117 11342 |
| 3200   | 390 ohm, 5%, 1/2W, Carbon.           | 4822 116 83881 | 3548   | 8.2k, 5%, 1/10W                      | 4822 051 20822 |
| 3201   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 | 3549   | 470 ohm, 5%, 1/2W, Carbon.           | 4822 116 83883 |
| 3202   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 | 3552   | 10k, 1%, 1/10W                       | 4822 117 10833 |
| 3203   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 | 3559   | 1k, 2%, 1/4W                         | 4822 051 10102 |
| 3204   | 10k, 1%, 3/5W                        | 4822 050 21003 | 3560   | 47 ohm, 5%, 1/2W                     | 4822 116 52195 |
| 3206   | 100k, 1%, 1/10W                      | 4822 117 10837 | 3561   | 220 ohm, 5%, 1/2W, Carbon.           | 4822 116 83872 |
| 3207   | 1k, 1%, 2/5W                         | 4822 050 11002 | 3562   | 10k, 1%, 1/10W                       | 4822 117 10833 |
| 3208   | 220 ohm, 1%, 1/10W                   | 4822 117 11503 | 3563   | 4.7k, 5%, 1/10W                      | 4822 051 20472 |
| 3212   | 470 ohm, 5%, 1/10W                   | 4822 051 20471 | S 3564 | Power Resistor, 0 ohm, +100%/-0%, 2W | 3198 012 21070 |
| 3217   | 330k, 5%, 1/10W                      | 4822 051 20334 | S 3565 | 330 ohm, 5%, 1W, Power Resistor      | 4822 053 10331 |
| 3218   | 82k, 1%, 1/10W                       | 4822 117 11149 | 3566   | 2.2k, 5%, 1/10W, Carbon.             | 4822 117 11449 |
| 3219   | 2.2k, 5%, 1/10W, Carbon.             | 4822 117 11449 | 3567   | 2.2k, 5%, 1/10W, Carbon.             | 4822 117 11449 |
| 3226   | 560 ohm, 5%, 1/10W                   | 4822 051 20561 | 3568   | 8.2k, 5%, 1/10W                      | 4822 051 20822 |
| 3235   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 | 3569   | 5.6k, 5%, 1/10W                      | 4822 051 20562 |
| 3241   | 22k, 5%, 1/10W                       | 4822 051 20223 | 3580   | 47k, 1%, 1/10W                       | 4822 117 10834 |
| 3242   | 27k, 5%, 1/10W                       | 4822 051 20273 | 3601   | 8.2k, 5%, 1/2W                       | 4822 116 52303 |
| 3244   | 820 ohm, 5%, 1/2W, Carbon.           | 4822 116 52231 | 3603   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 |
| 3245   | 39k, 5%, 1/10W                       | 4822 051 20393 | 3604   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 |
| 3246   | 10k, 1%, 1/10W                       | 4822 117 10833 | 3605   | 4.7k, 5%, 1/10W                      | 4822 051 20472 |
| 3247   | 220k, 1%, 1/10W                      | 4822 117 13579 | 3606   | 2.2k, 5%, 1/2W, Carbon               | 4822 116 52256 |
| 3248   | 27k, 5%, 1/10W                       | 4822 051 20273 | 3607   | 2.2k, 5%, 1/2W, Carbon               | 4822 116 52256 |
| 3249   | 820 ohm, 5%, 1/2W, Carbon.           | 4822 116 52231 | 3608   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 |
| 3251   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 | 3609   | 1k, 1%, 2/5W                         | 4822 050 11002 |
| 3254   | 1 Meg, 5%, 1/10W                     | 4822 051 20105 | 3610   | 8.2k, 5%, 1/2W                       | 4822 116 52303 |
| 3256   | 1k, 2%, 1/4W                         | 4822 051 10102 | 3611   | 100 ohm, 1%                          | 4822 117 11373 |
| 3257   | 10 Meg, 5%, 1/10W                    | 4822 051 20106 | 3618   | 6.8k, 5%, Carbon                     | 4822 116 83961 |
| 3258   | 330k, 5%, 1/10W                      | 4822 051 20334 | 3622   | 100 ohm, 1%                          | 4822 117 11373 |
| 3259   | 470k, 5%, 1/10W                      | 4822 051 20474 | 3623   | 4.7k, 5%, 1/10W                      | 4822 051 20472 |
| 3401   | 330k, 5%, 1/2W                       | 4822 053 21334 | 3624   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 |
| 3402   | 18k, 5%, 1/2W, Carbon.               | 4822 116 52251 | 3625   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 |
| S 3403 | 22 ohm, 5%, 3W, Power Resistor       | 4822 053 12229 | 3626   | 4.7k, 5%, 1/10W                      | 4822 051 20472 |
| 3404   | Fusible Resistor, 6.8 ohm, 5%, 1/3W. | 4822 052 10688 | 3627   | 4.7k, 5%, 1/10W                      | 4822 051 20472 |
| 3406   | 10k, 1%, 3/5W                        | 4822 050 21003 | 3628   | 10k, 1%, 1/10W                       | 4822 117 10833 |
| S 3407 | 220 ohm, 5%, 3.5W, Power Resistor    | 4822 112 21089 | 3630   | 2.2k, 5%, 1/10W, Carbon.             | 4822 117 11449 |
| 3408   | 1k, 1%, 2/5W                         | 4822 050 11002 | 3632   | 0 ohm, Chip Jumper                   | 4822 051 20008 |
| 3410   | 33k, 5%, 1/10W                       | 4822 051 20333 | 3635   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 |
| S 3411 | Fusible Resistor, 10 ohm, 5%, 1/3W   | 4822 052 10109 | 3636   | 100 ohm, 1%                          | 4822 117 11373 |
| 3412   | 3.3k, 1%, Metal Film                 | 2312 915 13302 | 3681   | 390 ohm, 5%, 1/10W                   | 4822 051 20391 |
| 3413   | 10k, 1%, 1/10W                       | 4822 117 10833 | 3682   | 3.3k, 5%, 1/10W                      | 4822 051 20332 |
| 3414   | 1.5k, 1%, Metal Film                 | 2312 915 11502 | 3683   | 390 ohm, 5%, 1/10W                   | 4822 051 20391 |
| 3415   | 1k, 1%, 2/5W                         | 4822 050 11002 | 3684   | 560 ohm, 5%, 1/10W                   | 4822 051 20561 |
| 3416   | Fusible Resistor, 3.9 ohm, 5%, 1/3W. | 4822 052 10398 | 3685   | 560 ohm, 5%, 1/10W                   | 4822 051 20561 |
| 3417   | 33k, 1%, 3/5W                        | 4822 050 23303 | 3686   | 1.5k, 1%, 1/10W                      | 4822 117 11139 |
| 3418   | 33k, 5%, 1/10W                       | 4822 051 20333 | 3691   | 330 ohm, 1%, 1.25W                   | 4822 117 13577 |
| 3419   | 6.8k, 1%, 1/10W                      | 4822 117 11507 | 3693   | 220 ohm, 1%, 1/10W                   | 4822 117 11503 |
| 3420   | 33k, 5%, 1/10W                       | 4822 051 20333 | 3694   | 4.7k, 5%, 1/10W                      | 4822 051 20472 |
| S 3421 | Power Resistor, 6.8 ohm, 5%, 2W.     | 4822 053 11688 | 3801   | 220 ohm, 5%, 1/2W, Carbon.           | 4822 116 83872 |
| 3422   | 100 ohm, 1%                          | 4822 117 11373 | 3802   | 1k, 1%, 2/5W                         | 4822 050 11002 |
| 3423   | 820 ohm, 1%, 1/10W, Carbon           | 4822 117 11454 | 3803   | 100k, 1%, 1/10W                      | 4822 117 10837 |
| 3424   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 | 3804   | 82k, 1%, 1/10W                       | 4822 117 11149 |
| 3425   | 12k, 5%, 1/2W, Carbon.               | 4822 116 52238 | 3805   | 1k, 2%, 1/4W                         | 4822 051 10102 |
| 3426   | 0 ohm, Chip Jumper                   | 4822 051 20008 | 3806   | 100k, 1%, 1/10W                      | 4822 117 10837 |
| 3427   | 12k, 5%, 1/2W, Carbon.               | 4822 116 52238 | 3807   | 82k, 1%, 1/10W                       | 4822 117 11149 |
| 3428   | Fusible Resistor, 39 ohm, 5%, 1/3W   | 4822 052 11399 | 3808   | 1k, 1%, 2/5W                         | 4822 050 11002 |
| 3431   | 3.3k, 5%, 1/10W                      | 4822 051 20332 | 3831   | 47k, 1%, 1/10W                       | 4822 117 10834 |
| 3432   | 22 ohm, 5%, 1/2W, Carbon             | 4822 116 52186 | 3832   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 |
| 3471   | 3.3 ohm, 1%, Metal Film              | 2312 915 13308 | 3833   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 |
| 3472   | 3.9 ohm, 1%, Metal Film              | 2312 915 13908 | 3836   | 1k, 1%, 2/5W                         | 4822 050 11002 |
| 3473   | 2.2k, 1%, Metal Film                 | 2312 915 12202 | 3837   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 |
| 3474   | 1k, 1%, 2/5W                         | 4822 050 11002 | 3838   | 1k, 2%, 1/4W                         | 4822 051 10102 |
| 3475   | 2.2k, 1%, Metal Film                 | 2312 915 12202 | 3839   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 |
| S 3476 | Fusible Resistor, 1.5 ohm, 5%, 1/3W. | 4822 052 10158 | 3843   | 2.2k, 5%, 1/10W, Carbon.             | 4822 117 11449 |
| 3477   | 220 ohm, 5%, 1/2W, Carbon.           | 4822 116 83872 | 3901   | 1k, 2%, 1/4W                         | 4822 051 10102 |
| 3478   | 220 ohm, 5%, 1/2W, Carbon.           | 4822 116 83872 | 3902   | 3.3k, 5%, 1/10W                      | 4822 051 20332 |
| 3479   | 1k, 1%, 2/5W                         | 4822 050 11002 | 3903   | 3.3k, 5%, 1/10W                      | 4822 051 20332 |
| S 3500 | 3.3 Meg, 5%, 1/2W.                   | 4822 053 21335 | 3904   | 10k, 1%, 1/10W                       | 4822 117 10833 |
| S 3501 | 3.3 Meg, 5%, 1/2W.                   | 4822 053 21335 | 3905   | 3.3k, 5%, 1/10W                      | 4822 051 20332 |
| S 3502 | 4.7 ohm, 20%, 3.1W, Non-Linear, NTC. | 2122 612 00055 | 3906   | 10k, 1%, 1/10W                       | 4822 117 10833 |
| 3503   | 10 ohm, 30% 120W, Non Linear, PTC.   | 2120 661 00026 | 3907   | 8.2k, 5%, 1/10W                      | 4822 051 20822 |
| 3506   | 220 ohm, 5%, 1/2W, Carbon.           | 4822 116 83872 | 3981   | 120 ohm, 5%, 1/2W, Carbon.           | 4822 116 52206 |
| 3507   | Spark Gap, DSP301N-A21F.             | 4822 252 11215 | 3982   | 120 ohm, 5%, 1/2W, Carbon.           | 4822 116 52206 |
| 3508   | 1.5 Meg, 5%, 1/2W.                   | 4822 053 21155 | 4001   | 0 ohm, Chip Jumper                   | 4822 051 20008 |
| 3519   | 270 ohm, 5%, 1/2W, Carbon.           | 4822 116 83876 | 4002   | 0 ohm, Chip Jumper                   | 4822 051 20008 |
| 3520   | 1.2k, 5%, 1/10W                      | 4822 051 20122 | 4121   | 0 ohm, Chip Jumper                   | 4822 051 20008 |
| 3521   | 22 ohm, 5%, 1/2W, Carbon             | 4822 116 52186 | 4181   | 0 ohm, Chip Jumper                   | 4822 051 20008 |
| 3522   | 330k, 5%, 1/10W                      | 4822 051 20334 | 4209   | 0 ohm, Chip Jumper                   | 4822 051 20008 |

S = Safety Part Be sure to use exact replacement part.



# 14RF50S3 (continued)

|        |   |                |  |   |                |
|--------|---|----------------|--|---|----------------|
| 4216   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 6566   | Diode, BAS316. . . . .  | 4822 130 11397 |
| 4217   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 6569   | Diode, BAS316. . . . .  | 4822 130 11397 |
| 4410   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 6570   | Diode, Zener, PDZ6.8B (6.8 Volts). . . . .                    | 4822 130 11416 |
| 4501   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 6580   | Diode, BAS316. . . . .  | 4822 130 11397 |
| 4613   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 6581   | Diode, BAS316. . . . .  | 4822 130 11397 |
| 4614   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 6681   | Diode, BAT85 . . . . .  | 4822 130 31983 |
| 4615   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 6691   | LED, VS LTL-10224WHCR (LITO) B . . . . .                      | 9322 050 99682 |
| 4616   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 6692   | IR Receiver, TSOP1836UH1 (TEG)L. . . . .                      | 9322 127 54667 |
| 4617   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 6831   | Diode, 1N4148. . . . .  | 4822 130 30621 |
| 4618   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 6901   | Diode, BAS316. . . . .  | 4822 130 11397 |
| 4619   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7200   | IC, Microprocessor, TDA9587H/N1/3/0481                        | 9352 699 87557 |
| 4622   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7201   | Transistor, BC847B . . . . .                                  | 4822 130 60511 |
| 4623   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7204   | Transistor, BC856B . . . . .                                  | 4822 130 60373 |
| 4691   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7241   | Transistor, PDTA114ET (COL) R . . . . .                       | 3198 010 44010 |
| 4692   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7401   | Transistor, PDTC143ZT (PHSE) R . . . . .                      | 9340 547 00215 |
| 4693   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7402   | Power Transistor, BUT11APX-1200 (PHSE)                        | 9340 563 21127 |
| 4802   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7403   | Transistor, BC337-25 . . . . .                                | 4822 130 40981 |
| 4804   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7404   | Transistor, BC637. . . . .                                    | 4822 130 44283 |
| 4811   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7405   | Transistor, BC856B . . . . .                                  | 4822 130 60373 |
| 4812   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7406   | Transistor, BC856B . . . . .                                  | 4822 130 60373 |
| 4813   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7407   | Transistor, BD135-16 . . . . .                                | 4822 130 41109 |
| 4814   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7408   | Transistor, BD135-16 . . . . .                                | 4822 130 41109 |
| 4831   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7409   | Transistor, BC856B . . . . .                                  | 4822 130 60373 |
| 4833   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7471   | IC, TDA9302H . . . . .  | 4822 209 13176 |
| 4835   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | S 7515   | Opto-Coupler, TCET1103G. . . . .                              | 8238 274 02070 |
| 4901   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7520   | IC, TEA1507P/N1 (PHSE) L . . . . .                            | 9352 673 56112 |
| 4903   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7521   | Transistor, FET Power STP5NC50FP (M1P3)                       | 3139 120 51951 |
| 4911   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7522   | Transistor, BC847B . . . . .                                  | 4822 130 60511 |
| 4982   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7540   | Transistor, BC547B . . . . .                                  | 4822 130 40959 |
| 5001   | Coil, 5.6uH. . . . .                                    | 4822 157 51216 | 7541   | Transistor, PDTC114ET. . . . .                                | 4822 130 11155 |
| 5002   | Fixed Inductor, 0.82uH., 10% . . . . .                  | 3198 018 18270 | 7542   | Transistor, BC856B . . . . .                                  | 4822 130 60373 |
| 5201   | Coil, 6.8uH., 5% . . . . .                              | 4822 157 11139 | 7560   | IC, Voltage/Current Regulator LE33CZ . . . . .                | 4822 209 15576 |
| 5202   | Coil, 10uH., 10% . . . . .                              | 4822 157 51462 | 7561   | Transistor, PDTC143ZT (PHSE) R . . . . .                      | 9340 547 00215 |
| 5241   | Coil, 10uH., 10% . . . . .                              | 4822 157 51462 | 7562   | Transistor, BC847B . . . . .                                  | 4822 130 60373 |
| 5242   | Coil, 10uH., 5% . . . . .                               | 4822 157 11706 | 7564   | Transistor, BC847B . . . . .                                  | 4822 130 60373 |
| 5406   | Linear Correction Coil . . . . .                        | 3128 138 56801 | 7580   | Transistor, BC847B . . . . .                                  | 4822 130 60373 |
| 5408   | Coil, 27uH. . . . .                                     | 4822 157 71401 | 7602   | IC, EEPROM, M24C16-WBN6 (ST00) . . . . .                      | 9322 147 25682 |
| 5410   | Coil, 27uH. . . . .                                     | 4822 157 71401 | 7801   | IC, Logic, HEF4052BT . . . . .                                | 5322 209 11102 |
| 5444   | Transformer, Signal Driver, SC10009-03                  | 2422 531 02446 | 7802   | IC, Logic, HEF4053BT . . . . .                                | 5322 209 14481 |
| S 5445 | Transformer, LOT, MSLOT4 . . . . .                      | 3128 138 21541 | 7803   | Transistor, BC847B . . . . .                                  | 4822 130 60511 |
| S 5502 | AC Filter, 1 Amp . . . . .                              | 2422 549 44284 | 7804   | Transistor, BC847B . . . . .                                  | 4822 130 60511 |
| 5505   | Ferrite Bead, 100MHz . . . . .                          | 4822 526 10704 | 7901   | IC, Amplifier AN7522N (MATJ) . . . . .                        | 9322 158 65667 |
| S 5520 | Transformer, SS28011-04A B . . . . .                    | 2422 531 02458 | CBA  | Main Chassis . . . . .  | 3139 127 23491 |
| 5521   | Ferrite Bead, 100MHz . . . . .                          | 4822 526 10704 | <b>Model 14RF50S3 &amp; 15PV1022 Cabinet Parts</b> |   |                |
| 5560   | Ferrite Bead, 100MHz . . . . .                          | 4822 526 10704 | <b>Model 14RF50S3 &amp; 15PV1022 Cabinet Parts</b> |   |                |
| 5561   | Coil, 27uH. . . . .                                     | 4822 157 52392 | AC03   | Cabinet Back . . . . .  | 3139 137 88651 |
| 5562   | Ferrite Bead, 100MHz . . . . .                          | 4822 526 10704 | AC04   | Cabinet Front. . . . .  | 3139 137 88641 |
| 5563   | Ferrite Bead, 100MHz . . . . .                          | 4822 526 10704 | AC05   | Chassis Guide, Plastic . . . . .                              | 3139 124 34091 |
| 5602   | Coil, 5.6uH., 5% . . . . .                              | 4822 157 11867 | AC06   | Control Buttons. . . . .                                      | 3139 137 88921 |
| 5603   | Coil, 5.6uH., 5% . . . . .                              | 4822 157 11867 | S AC08   | CRT, A36QDT351X01. . . . .                                    | 9322 163 43682 |
| 5604   | Coil, 5.6uH., 5% . . . . .                              | 4822 157 11867 | S AC09   | Degaussing Coil. . . . .                                      | 3139 128 76331 |
| 5831   | Coil, 6.8uH., 5% . . . . .                              | 4822 157 11139 | AC11   | Light Guide, Plastic . . . . .                                | 3139 124 34321 |
| 5832   | Coil, 6.8uH., 5% . . . . .                              | 4822 157 11139 | AC14   | Power Button . . . . .  | 3139 137 88811 |
| 5833   | Coil, 6.8uH., 5% . . . . .                              | 4822 157 11139 | AC16   | Speaker, Full Range, 2X3W. . . . .                            | 3139 178 89451 |
| 5835   | 12uF., 10%, Ceramic. . . . .                            | 3198 018 31290 | S AC18   | ITC = Integrated Tube Component, CRT & Yoke Pre-Set . . . . . | 0000 000 00ITC |
| 6001   | Diode, Zener, BZX79-B33 (33 Volts) . . . . .            | 4822 130 34142 | AC33   | Cabinet Door . . . . .  | 3139 137 99211 |
| 6201   | Diode, BAS316. . . . .                                  | 4822 130 11397 | AC40   | Jack Panel Cover (Not shown) . . . . .                        | 3139 124 25551 |
| 6202   | Diode, BAS316. . . . .                                  | 4822 130 11397 | REMOTE   | Remote Transmitter, RC19036002/01. . . . .                    | 3139 228 88001 |
| 6206   | Diode, Zener, PDZ6.8B (6.8 Volts). . . . .              | 4822 130 11416 | <b>CRT Panel</b>                                   |   |                |
| 6241   | Diode, Zener, PDZ6.8B (6.8 Volts). . . . .              | 4822 130 11416 | <b>CRT Panel</b>                                   |   |                |
| 6401   | Diode, BAV21 . . . . .                                  | 4822 130 30842 | 0244   | 3 Pin Connector. . . . .                                      | 2422 025 04851 |
| 6402   | Diode, SBYV27-200, Power Rectifier . . . . .            | 4822 130 10871 | 0245   | 6 Pin Connector. . . . .                                      | 2422 025 04854 |
| 6404   | Diode, BYD33M, Power Rectifier . . . . .                | 4822 130 32896 | S 0254   | 9 Pin CRT Socket (N-Neck). . . . .                            | 2422 500 80067 |
| 6405   | Diode, BYD33D, Power Rectifier . . . . .                | 4822 130 42488 | 2313   | 270pF., 5%, 50V, NP0, Ceramic. . . . .                        | 4822 122 33216 |
| 6406   | Diode, BAV70 . . . . .                                  | 5322 130 34331 | 2323   | 390pF., 5%, 50V, NP0, Ceramic. . . . .                        | 4822 122 33172 |
| 6407   | Diode, BAS316. . . . .                                  | 4822 130 11397 | 2331   | 390pF., 5%, 50V, NP0, Ceramic. . . . .                        | 4822 122 33172 |
| 6408   | Diode, BAS316. . . . .                                  | 4822 130 11397 | 2341   | 2200pF., 10%, 1kV, Ceramic . . . . .                          | 4822 126 14588 |
| 6409   | Diode, BYD33D, Power Rectifier . . . . .                | 4822 130 42488 | 2342   | 0.047uF., 10%, 250V, Metal Film. . . . .                      | 4822 121 70386 |
| 6410   | Diode, BYD33D, Power Rectifier . . . . .                | 4822 130 42488 | 2343   | 0.047uF., 10%, 250V, Metal Film. . . . .                      | 4822 121 70386 |
| 6413   | Diode, 1N4148. . . . .                                  | 4822 130 30621 | 3311   | 1.5k, 1%, 1/10W. . . . .                                      | 4822 117 11139 |
| 6414   | Diode, Zener, BZX79-B6V2 (6.2 Volts) . . . . .          | 4822 130 34167 | S 3312   | 330 ohm, 1%, 1.25W . . . . .                                  | 4822 117 13577 |
| 6415   | Diode, BAS316. . . . .                                  | 4822 130 11397 | 3313   | 10 ohm, 5%, 1/10W. . . . .                                    | 4822 051 20109 |
| 6419   | Diode, Zener, BZX79-B5V6 (5.6 Volts) . . . . .          | 4822 130 34173 | S 3314   | 18k, 5%, 3W, Metal Film. . . . .                              | 4822 053 12183 |
| 6420   | Diode, Zener, BZX79-B9V1 (9.1 Volts) . . . . .          | 4822 130 30862 | S 3316   | Fusible Resistor, 68 ohm, 5%, 1/3W . . . . .                  | 4822 052 10689 |
| 6423   | Diode, BYD33D, Power Rectifier . . . . .                | 4822 130 42488 | 3317   | 1.5k, 20%, 1/2W, Carbon. . . . .                              | 3198 013 01520 |
| 6471   | Diode, BYD33D, Power Rectifier . . . . .                | 4822 130 42488 | 3321   | 1.5k, 1%, 1/10W. . . . .                                      | 4822 117 11139 |
| 6500   | Diode, BYW55 . . . . .                                  | 4822 130 31083 | S 3322   | 330 ohm, 1%, 1.25W . . . . .                                  | 4822 117 13577 |
| 6501   | Diode, BYW55 . . . . .                                  | 4822 130 31083 | 3323   | 10 ohm, 5%, 1/10W. . . . .                                    | 4822 051 20109 |
| 6502   | Diode, BYW55 . . . . .                                  | 4822 130 31083 | S 3324   | 18k, 5%, 3W, Metal Film. . . . .                              | 4822 053 12183 |
| 6503   | Diode, BYW55 . . . . .                                  | 4822 130 31083 | S 3326   | Fusible Resistor, 68 ohm, 5%, 1/3W . . . . .                  | 4822 052 10689 |
| 6520   | Diode, BYD33D, Power Rectifier . . . . .                | 4822 130 42488 | 3327   | 1.5k, 20%, 1/2W, Carbon. . . . .                              | 3198 013 01520 |
| 6523   | Diode, 1N4148. . . . .                                  | 4822 130 30621 | 3331   | 1.5k, 1%, 1/10W. . . . .                                      | 4822 117 11139 |
| 6540   | Diode, Zener, BZX79-B6V2 (6.2 Volts) . . . . .          | 4822 130 34167 | S 3332   | 330 ohm, 1%, 1.25W . . . . .                                  | 4822 117 13577 |
| 6541   | Diode, Zener, BZX79-B10 (10 Volts) . . . . .            | 4822 130 61219 | 3333   | 10 ohm, 5%, 1/10W. . . . .                                    | 4822 051 20109 |
| 6560   | Diode, BYW76-RAS15/10 (TEG0)B, Power Rectifier. . . . . | 9322 127 32682 | S 3334   | 18k, 5%, 3W, Metal Film. . . . .                              | 4822 053 12183 |
| 6561   | Diode, BYW76-RAS15/10 (TEG0)B, Power Rectifier. . . . . | 9322 127 32682 | S 3336   | Fusible Resistor, 68 ohm, 5%, 1/3W . . . . .                  | 4822 052 10689 |
| 6562   | Diode, EGP20DL-5100 (GI00) B, Power Rectifier . . . . . | 9322 164 42682 | 3337   | 1.5k, 20%, 1/2W, Carbon. . . . .                              | 3198 013 01520 |
| 6563   | Diode, BAS316. . . . .                                  | 4822 130 11397 | 3341   | 1.5k, 20%, 1/2W, Carbon. . . . .                              | 3198 013 01520 |
| 6565   | Diode, BAV70 . . . . .                                  | 5322 130 34331 | S 3347   | Fusible Resistor, 220 ohm, 5%, 1/3W. . . . .                  | 4822 052 10221 |

S = Safety Part Be sure to use exact replacement part.

## 14RF50S3 (continued)

|        |  |      |     |       |
|--------|--|------|-----|-------|
| 3348   | 1.5k, 20%, 1/2W, Carbon. . . . .       | 3198 | 013 | 01520 |
| S 3349 | Fusible Resistor, 1 ohm, 5%, 1/3W. . . | 4822 | 052 | 10108 |
| S 3350 | Fusible Resistor, 1 ohm, 5%, 1/3W. . . | 4822 | 052 | 10108 |
| 5341   | Coil, 22uH., 5%. . . . .               | 4822 | 157 | 11441 |
| 5342   | Ferrite Bead, 100MHz . . . . .         | 4822 | 526 | 10704 |
| 6311   | Diode, BAV21 . . . . .                 | 4822 | 130 | 30842 |
| 6321   | Diode, BAV21 . . . . .                 | 4822 | 130 | 30842 |
| 6331   | Diode, BAV21 . . . . .                 | 4822 | 130 | 30842 |
| 6341   | Diode, BAV21 . . . . .                 | 4822 | 130 | 30842 |
| 6342   | Diode, 1SS135. . . . .                 | 4822 | 130 | 33697 |
| 6343   | Diode, Zener, UDZS8.2B (8.2 Volts) . . | 4822 | 130 | 10837 |
| 7311   | Transistor, BF423. . . . .             | 4822 | 130 | 41782 |
| 7312   | Transistor, BF423. . . . .             | 4822 | 130 | 41782 |
| 7313   | Transistor, BF424. . . . .             | 4822 | 130 | 41646 |
| 7321   | Transistor, BF423. . . . .             | 4822 | 130 | 41782 |
| 7322   | Transistor, BF423. . . . .             | 4822 | 130 | 41782 |
| 7323   | Transistor, BF424. . . . .             | 4822 | 130 | 41646 |
| 7331   | Transistor, BF423. . . . .             | 4822 | 130 | 41782 |
| 7332   | Transistor, BF423. . . . .             | 4822 | 130 | 41782 |
| 7333   | Transistor, BF424. . . . .             | 4822 | 130 | 41646 |
| CBA    | CRT Panel. . . . .                     | 3139 | 178 | 85281 |

# 15PV1022 - Manual no. 7602

## Main Chassis

| Main Chassis |  |      |           |        |   |      |           |
|--------------|--|------|-----------|--------|---|------|-----------|
|              | Main Chassis                             |      |           |        |   |      |           |
| 0139         | IC-SPRING 7402 . . . . .                 | 3139 | 121 24581 | 2473   | 100uF., 20%, 63V, Electrolytic . . . .  | 4822 | 124 40255 |
| 7200         | IC, 1US1 Software Cluster. . . . .       | 9352 | 699 87557 | 2475   | 470pF., 5%, 63V, NP0, Ceramic . . . .   | 5322 | 122 32268 |
| 7831         | IC MSP3445G-PO-B8. . . . .               | 9322 | 160 81682 | 2476   | 0.22uF., 5%, 63V, Metal Film . . . .    | 4822 | 121 42408 |
| 0127         | 2 Pin Fuse Holder. . . . .               | 4822 | 265 11253 | 2477   | 470pF., 5%, 63V, NP0, Ceramic . . . .   | 5322 | 122 32268 |
| S 0211       | 2 Pin Connector (AC Input Plug). . . .   | 4822 | 265 20723 | S 2500 | 0.47uF., 275V, Polypropylene . . . .    | 4822 | 126 13589 |
| S 0212       | 2 Pin Connector, Male (Red). . . . .     | 4822 | 267 10774 | 2501   | 2200pF., 10%, 1kV, Ceramic . . . . .    | 4822 | 126 14153 |
| 0217         | 3 Pin Connector. . . . .                 | 4822 | 267 10735 | 2502   | 2200pF., 10%, 1kV, Ceramic . . . . .    | 4822 | 126 14153 |
| 0218         | 3 Pin Connector. . . . .                 | 2422 | 026 04742 | 2503   | 220uF., 20%, 200V, Electrolytic. . . .  | 2020 | 024 90585 |
| 0220         | 3 Pin Connector. . . . .                 | 2422 | 025 04851 | 2506   | 2200pF., 10%, 1kV, Ceramic . . . . .    | 4822 | 126 14153 |
| S 0221       | 2 Pin Connector. . . . .                 | 4822 | 267 10966 | 2508   | 470pF., 10%, 1kV, Ceramic . . . . .     | 4822 | 122 50116 |
| 0222         | 2 Pin Connector. . . . .                 | 2422 | 025 10646 | S 2515 | 1500pF., 20%, 250V, Ceramic. . . . .    | 4822 | 126 14049 |
| 0223         | 3 Pin Connector. . . . .                 | 2422 | 026 05182 | 2520   | 0.1uF., 10%, 50V, Ceramic. . . . .      | 4822 | 126 14585 |
| 0225         | 4 Pin Connector. . . . .                 | 2422 | 026 04926 | 2521   | 22uF., 50V, Electrolytic . . . . .      | 4822 | 124 81151 |
| 0232         | Headphone Jack . . . . .                 | 4822 | 267 31014 | 2522   | 0.1uF., 10%, 50V, Ceramic. . . . .      | 4822 | 126 14585 |
| 0243         | 6 Pin Connector. . . . .                 | 2422 | 025 04854 | 2523   | 1500pF., 10%, 2kV, Ceramic. . . . .     | 4822 | 126 13862 |
| 0246         | 5 Pin Connector. . . . .                 | 2422 | 025 15848 | 2525   | 470pF., 10%, 63V, Ceramic. . . . .      | 5322 | 122 34099 |
| 1000         | Tuner V+U PLL. . . . .                   | 2422 | 542 90108 | 2526   | 1000pF., 10%, 63V, Ceramic . . . . .    | 5322 | 122 31647 |
| S 1500       | 4 Amp Fuse, 250V . . . . .               | 2422 | 086 10914 | 2527   | 470pF., 10%, 63V, Ceramic. . . . .      | 5322 | 122 34099 |
| 1515         | Relay, 1 Pin, 12V, 5 Amp . . . . .       | 2422 | 132 07444 | 2540   | 0.015uF., 5%, 63V, Ceramic . . . . .    | 4822 | 126 13188 |
| 1600         | Pushbutton, Switch . . . . .             | 4822 | 276 13775 | 2560   | 1000pF., 10%, 1kV, Ceramic . . . . .    | 4822 | 126 11382 |
| 1601         | Pushbutton, Switch . . . . .             | 4822 | 276 13775 | 2561   | 47uF., 20%, 160V, Electrolytic . . . .  | 4822 | 124 42336 |
| 1602         | Pushbutton, Switch . . . . .             | 4822 | 276 13775 | 2562   | 1000pF., 10%, 100V, Ceramic. . . . .    | 5322 | 122 32331 |
| 1603         | Pushbutton, Switch . . . . .             | 4822 | 276 13775 | 2563   | 0.1uF., 5%, 63V, Metal Film. . . . .    | 5322 | 121 42386 |
| 1606         | Pushbutton, Switch . . . . .             | 4822 | 276 13775 | 2564   | 2200uF., 20%, 16V, Electrolytic. . . .  | 2020 | 012 93057 |
| 1660         | Crystal Resonator, 12MHz . . . . .       | 2422 | 543 01203 | 2565   | 470pF., 10%, 1kV, Ceramic . . . . .     | 4822 | 122 50116 |
| 1831         | 18.432 MHz Crystal Resonator . . . .     | 4822 | 242 10769 | 2566   | 47uF., 20%, 25V, Electrolytic. . . . .  | 4822 | 124 40433 |
| 2004         | 0.047uF., 10%, 63V, Ceramic. . . . .     | 4822 | 126 13751 | 2567   | 47uF., 20%, 25V, Electrolytic. . . . .  | 4822 | 124 40433 |
| 2005         | 10uF., 20%, 63V, Electrolytic. . . . .   | 4822 | 124 40248 | 2568   | 1uF., 20%, 63V, Electrolytic . . . . .  | 4822 | 124 21913 |
| 2006         | 470uF., 16V, 20%, Electrolytic . . . .   | 4822 | 124 80791 | 2569   | 470pF., 10%, 63V, Ceramic. . . . .      | 5322 | 122 34099 |
| 2007         | 0.1uF., 10%, 50V, Ceramic. . . . .       | 4822 | 126 14585 | 2580   | 47uF., 20%, 25V, Electrolytic. . . . .  | 4822 | 124 40433 |
| 2008         | 100uF., 20%, 25V, Electrolytic . . . .   | 4822 | 124 40207 | 2601   | 0.22uF., 5%, +80/-20%, Ceramic. . . .   | 4822 | 126 14076 |
| 2009         | 0.022uF., 10%, 63V, Ceramic . . . . .    | 5322 | 122 32654 | 2602   | 100pF., 25V, 50V, NP0, Ceramic. . . .   | 5322 | 122 32531 |
| 2103         | 330pF., 5%, 63V, NP0, Ceramic. . . .     | 5322 | 122 31863 | 2606   | 1000pF., 5%, 50V, Ceramic. . . . .      | 5322 | 126 10511 |
| 2122         | 330pF., 5%, 63V, NP0, Ceramic. . . .     | 5322 | 122 31863 | 2607   | 56pF., 1%, 63V, NP0, Ceramic . . . . .  | 4822 | 126 13693 |
| 2123         | 2.2uF., 10V, Ceramic . . . . .           | 4822 | 126 14491 | 2608   | 1uF., +80/-20%, 16V, Ceramic . . . . .  | 4822 | 126 14043 |
| 2124         | 330pF., 5%, 63V, NP0, Ceramic. . . .     | 5322 | 122 31863 | 2609   | 56pF., 1%, 63V, NP0, Ceramic . . . . .  | 4822 | 126 13693 |
| 2125         | 2.2uF., 10V, Ceramic . . . . .           | 4822 | 126 14491 | 2611   | 1uF., +80/-20%, 16V, Ceramic . . . . .  | 4822 | 126 14043 |
| 2135         | 22pF., 5%, 50V, Ceramic. . . . .         | 5322 | 122 32658 | 2612   | 68pF., 1%, 63V, NP0, Ceramic . . . . .  | 4822 | 126 13694 |
| 2136         | 22pF., 5%, 50V, Ceramic. . . . .         | 5322 | 122 32658 | 2613   | 68pF., 1%, 63V, NP0, Ceramic . . . . .  | 4822 | 126 13694 |
| 2141         | 330pF., 5%, 63V, NP0, Ceramic. . . .     | 5322 | 122 31863 | 2615   | 1000pF., 5%, 50V, Ceramic. . . . .      | 5322 | 126 10511 |
| 2181         | 22pF., 5%, 50V, Ceramic. . . . .         | 5322 | 122 32658 | 2618   | 1uF., +80/-20%, 16V, Ceramic . . . . .  | 4822 | 126 14043 |
| 2182         | 330pF., 5%, 63V, NP0, Ceramic. . . .     | 5322 | 122 31863 | 2619   | 1uF., +80/-20%, 16V, Ceramic . . . . .  | 4822 | 126 14043 |
| 2183         | 330pF., 5%, 63V, NP0, Ceramic. . . .     | 5322 | 122 31863 | 2691   | 100uF., 20%, 25V, Electrolytic . . . .  | 4822 | 124 40207 |
| 2184         | 2.2uF., 10V, Ceramic . . . . .           | 4822 | 126 14491 | 2801   | 22uF., 50V, Electrolytic . . . . .      | 4822 | 124 81151 |
| 2202         | 0.1uF., 10%, 50V, Ceramic. . . . .       | 4822 | 126 14585 | 2802   | 0.22uF., 25V, +80/-20%, Ceramic. . . .  | 4822 | 126 14076 |
| 2203         | 0.1uF., 10%, 50V, Ceramic. . . . .       | 4822 | 126 14585 | 2803   | 2.2uF., 10V, Ceramic . . . . .          | 4822 | 126 14491 |
| 2204         | 0.1uF., 10%, 50V, Ceramic. . . . .       | 4822 | 126 14585 | 2804   | 4.7uF., +80/-20%, 10V, Ceramic . . . .  | 2020 | 552 96305 |
| 2205         | 0.022uF., +80/-20%, 25V, Ceramic . . .   | 4822 | 126 14076 | 2805   | 4.7uF., +80/-20%, 10V, Ceramic . . . .  | 2020 | 552 96305 |
| 2208         | 0.1uF., 10%, 50V, Ceramic. . . . .       | 4822 | 126 14585 | 2831   | 1pF., 5%, 63V, NP0, Ceramic . . . . .   | 5322 | 122 32447 |
| 2209         | 4.7uF., 20%, 100V, Electrolytic. . . .   | 4822 | 124 40769 | 2832   | 1pF., 5%, 63V, NP0, Ceramic . . . . .   | 5322 | 122 32447 |
| 2210         | 0.47uF., 20%, 63V, Electrolytic. . . .   | 4822 | 124 41407 | 2833   | 47pF., 1%, 63V, NP0, Ceramic . . . . .  | 4822 | 126 13692 |
| 2211         | 0.47uF., +80/-20% 16V, Ceramic . . . .   | 4822 | 126 13482 | 2834   | 470pF., 5%, 63V, NP0, Ceramic . . . .   | 5322 | 122 32268 |
| 2216         | 100uF., 20%, 25V, Electrolytic . . . .   | 4822 | 124 40207 | 2835   | 220pF., 5%, 63V, NP0, Ceramic . . . .   | 4822 | 122 33575 |
| 2217         | 0.022uF., 10%, 63V, Ceramic . . . . .    | 5322 | 122 32654 | 2836   | 1500pF., 5%, 63V, Ceramic. . . . .      | 4822 | 126 13344 |
| 2219         | 0.22uF., 25V, +80/-20%, Ceramic. . . .   | 4822 | 126 14076 | 2837   | 4.7uF., 20%, 100V, Electrolytic . . . . | 4822 | 124 40769 |
| 2221         | 0.022uF., 10%, 63V, Ceramic . . . . .    | 5322 | 122 32654 | 2838   | 47pF., 1%, 63V, NP0, Ceramic . . . . .  | 4822 | 126 13692 |
| 2233         | 820pF., 5%, 50V, NP0, Ceramic. . . . .   | 5322 | 126 10184 | 2839   | 47pF., 1%, 63V, NP0, Ceramic . . . . .  | 4822 | 126 13692 |
| 2241         | 1500pF., 5%, 63V, Ceramic. . . . .       | 4822 | 126 13344 | 2840   | 0.1uF., 10%, 50V, Ceramic. . . . .      | 4822 | 126 14585 |
| 2242         | 1uF., +80/-20%, 16V, Ceramic . . . . .   | 4822 | 126 14043 | 2841   | 10uF., 20%, 63V, Electrolytic. . . . .  | 4822 | 124 40248 |
| 2243         | 2200uF., 10%, 63V, Ceramic . . . . .     | 4822 | 122 33127 | 2842   | 0.1uF., 10%, 50V, Ceramic. . . . .      | 4822 | 126 14585 |
| 2244         | 0.1uF., 10%, 63V, Metalized Polyester.   | 2222 | 370 75104 | 2843   | 10uF., 20%, 63V, Electrolytic. . . . .  | 4822 | 124 40248 |
| 2245         | 0.22uF., 25V, +80/-20%, Ceramic. . . .   | 4822 | 126 14076 | 2844   | 10uF., 20%, 63V, Electrolytic. . . . .  | 4822 | 124 40248 |
| 2247         | 100uF., 20%, 25V, Electrolytic . . . .   | 4822 | 124 40207 | 2845   | 0.1uF., 10%, 50V, Ceramic. . . . .      | 4822 | 126 14585 |
| 2248         | 0.022uF., 10%, 63V, Ceramic . . . . .    | 5322 | 122 32654 | 2846   | 100uF., 20%, 25V, Electrolytic . . . .  | 4822 | 124 40207 |
| 2249         | 0.022uF., 10%, 63V, Ceramic . . . . .    | 5322 | 122 32654 | 2849   | 1000pF., 5%, 50V, Ceramic. . . . .      | 5322 | 126 10511 |
| 2250         | 2.2uF., 20%, 50V, Electrolytic . . . . . | 4822 | 124 22652 | 2850   | 1000pF., 5%, 50V, Ceramic. . . . .      | 5322 | 126 10511 |
| 2252         | 1000pF., 5%, 50V, Ceramic. . . . .       | 5322 | 126 10511 | 2851   | 4.7uF., +80/-20%, 10V, Ceramic . . . .  | 2020 | 552 96305 |
| 2253         | 1000pF., 5%, 50V, Ceramic. . . . .       | 5322 | 126 10511 | 2852   | 1000pF., 5%, 50V, Ceramic. . . . .      | 5322 | 126 10511 |
| 2254         | 100pF., 5%, 50V, NP0, Ceramic. . . . .   | 5322 | 122 32531 | 2853   | 4.7uF., +80/-20%, 10V, Ceramic . . . .  | 2020 | 552 96305 |
| 2401         | 680pF., 10%, 50V, Ceramic. . . . .       | 4822 | 126 13461 | 2854   | 1000pF., 5%, 50V, Ceramic. . . . .      | 5322 | 126 10511 |
| 2404         | 0.36uF., 5%, 250V, Metal Film. . . . .   | 4822 | 121 43888 | 2856   | 47pF., 1%, 63V, NP0, Ceramic . . . . .  | 4822 | 126 13692 |
| 2406         | 330pF., 5%, 63V, NP0, Ceramic. . . . .   | 5322 | 122 31863 | 2857   | 150pF., 2%, 63V, NP0, Ceramic. . . . .  | 5322 | 122 33538 |
| 2407         | 8200pF., 5%, 1600V, Metal Film . . . .   | 4822 | 121 70637 | 2894   | 220pF., 5%, 63V, NP0, Ceramic. . . . .  | 4822 | 122 33575 |
| 2408         | 0.022uF., 80%, 63V, Ceramic. . . . .     | 4822 | 122 30103 | 2895   | 560pF., 5%, 63V, NP0, Ceramic. . . . .  | 5322 | 116 80853 |
| 2409         | 47uF., 20%, 160V, Electrolytic . . . . . | 4822 | 124 11575 | 2897   | 390pF., 5%, 50V, NP0, Ceramic. . . . .  | 4822 | 122 33172 |
| 2410         | 470uF., 20%, 16V, Electrolytic . . . . . | 2020 | 021 91577 | 2898   | 0.01uF., 20%, 50V, Ceramic . . . . .    | 4822 | 122 33177 |
| 2411         | 47uF., 25V, Electrolytic . . . . .       | 5322 | 121 10472 | 2902   | 470uF., 20%, 25V, Electrolytic . . . .  | 4822 | 124 11767 |
| 2412         | 0.033uF., 10%, 100V, Polyester . . . .   | 2222 | 347 90236 | 2903   | 1uF., 20%, 63V, Electrolytic . . . . .  | 4822 | 124 21913 |
| 2413         | 10uF., 20%, 250V, Electrolytic . . . . . | 4822 | 124 11565 | 2904   | 0.47uF., +80/-20% 16V, Ceramic . . . .  | 4822 | 126 13482 |
| 2414         | 1000uF., 20%, 16V, Electrolytic. . . .   | 4822 | 124 81145 | 2905   | 1000pF., 5%, 50V, Ceramic. . . . .      | 5322 | 126 10511 |
| 2416         | 1200pF., 10%, 2kV, Ceramic. . . . .      | 4822 | 126 13435 | 2906   | 0.47uF., +80/-20% 16V, Ceramic . . . .  | 4822 | 126 13482 |
| 2417         | 1000uF., 20%, 16V, Electrolytic. . . .   | 4822 | 124 81145 | 2907   | 1000pF., 5%, 50V, Ceramic. . . . .      | 5322 | 126 10511 |
| 2418         | 0.01uF., 20%, 50V, Ceramic . . . . .     | 4822 | 122 33177 | 2908   | 10uF., 20%, 63V, Electrolytic. . . . .  | 4822 | 124 40248 |
| 2419         | 1uF., 50V, Electrolytic. . . . .         | 4822 | 124 22776 | 2981   | 10uF., 20%, 63V, Electrolytic. . . . .  | 4822 | 124 40248 |
| 2420         | 1uF., 20%, 63V, Electrolytic . . . . .   | 4822 | 124 21913 | 2982   | 470pF., 5%, 63V, NP0, Ceramic . . . .   | 5322 | 122 32268 |
| 2421         | 0.047uF., 10%, 63V, Ceramic. . . . .     | 4822 | 126 13751 | 2983   | 10uF., 20%, 63V, Electrolytic. . . . .  | 4822 | 124 40248 |
| 2422         | 470uF., 20%, 16V, Electrolytic . . . .   | 2020 | 021 91577 | 2984   | 470pF., 5%, 63V, NP0, Ceramic . . . .   | 5322 | 122 32268 |
| 2423         | 10uF., 20%, 100V, Electrolytic . . . .   | 4822 | 124 42127 | 3000   | 100 ohm, 5%, 1/2W, Carbon. . . . .      | 4822 | 116 52175 |
| 2471         | 0.1uF., 5%, 63V, Metal Film. . . . .     | 5322 | 121 42386 | 3001   | 100 ohm, 5%, 1/2W, Carbon. . . . .      | 4822 | 116 52175 |
| 2472         | 0.1uF., 5%, 63V, Metal Film. . . . .     | 5322 | 121 42386 | 3002   | 0 ohm, Chip Jumper . . . . .            | 4822 | 051 20008 |
|              |  |      |           | 3003   | 1.5k, 1%, 1/10W. . . . .                | 4822 | 117 11139 |
|              |  |      |           | 3004   | 8.2k, 5%, 1/10W. . . . .                | 4822 | 051 20822 |

S = Safety Part Be sure to use exact replacement part.

# 15PV1022 (continued)

|        |                                      |                |        |                                      |                |
|--------|--------------------------------------|----------------|--------|--------------------------------------|----------------|
| 3005   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 | 3523   | Fusible Resistor, 100 ohm, 5%, 1/3W. | 4822 052 10101 |
| 3123   | 150 ohm, 5%, 1/2W, Carbon.           | 4822 116 83868 | 3524   | 56k, 1%, 1/10W                       | 4822 117 11148 |
| 3124   | 47k, 1%, 1/10W                       | 4822 117 10834 | 3525   | 1k, 2%, 1/4W                         | 4822 051 10102 |
| 3125   | 150 ohm, 5%, 1/2W, Carbon.           | 4822 116 83868 | S 3526 | Power Resistor, 0.15 ohm, 5%, 1W     | 3198 012 11570 |
| 3126   | 47k, 1%, 1/10W                       | 4822 117 10834 | 3527   | Fusible Resistor, 2.2k, 5%, 1/3W     | 4822 052 10222 |
| 3135   | 75 ohm, 5%, 1/2W, Carbon.            | 4822 116 52201 | 3528   | 10k, 1%, 1/10W                       | 4822 117 10833 |
| 3136   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 | 3529   | 47k, 1%, 1/10W                       | 4822 117 10834 |
| 3137   | 75 ohm, 5%, 1/2W, Carbon.            | 4822 116 52201 | 3530   | 4.7k, 5%, 1/10W                      | 4822 051 20472 |
| 3138   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 | 3531   | 0 ohm, Chip Jumper                   | 4822 051 20008 |
| 3141   | 1k, 1%, 2/5W                         | 4822 050 11002 | 3541   | 470 ohm, 5%, 1/10W                   | 4822 051 20471 |
| 3181   | 75 ohm, 5%, 1/2W, Carbon.            | 4822 116 52201 | 3542   | 1.5k, 1%, 1/10W                      | 4822 117 11139 |
| 3182   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 | 3543   | 82k, 1%, Metal Film                  | 2312 915 18203 |
| 3183   | 150 ohm, 5%, 1/2W, Carbon.           | 4822 116 83868 | 3544   | 6.8k, 1%, Metal Film                 | 2312 915 16802 |
| 3184   | 47k, 1%, 1/10W                       | 4822 117 10834 | 3545   | 82k, 1%, 1/10W                       | 4822 117 11149 |
| 3185   | 150 ohm, 5%, 1/2W, Carbon.           | 4822 116 83868 | 3546   | 0 ohm, Chip Jumper                   | 4822 051 20008 |
| 3186   | 47k, 1%, 1/10W                       | 4822 117 10834 | S 3547 | 0.33 ohm, 5%, 2W, Power Resistor     | 4822 117 11342 |
| 3200   | 390 ohm, 5%, 1/2W, Carbon.           | 4822 116 83881 | 3548   | 8.2k, 5%, 1/10W                      | 4822 051 20822 |
| 3201   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 | 3549   | 470 ohm, 5%, 1/2W, Carbon.           | 4822 116 83883 |
| 3202   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 | 3552   | 10k, 1%, 1/10W                       | 4822 117 10833 |
| 3203   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 | 3559   | 1k, 2%, 1/4W                         | 4822 051 10102 |
| 3204   | 10k, 1%, 3/5W                        | 4822 050 21003 | 3560   | 47 ohm, 5%, 1/2W                     | 4822 116 52195 |
| 3206   | 100k, 1%, 1/10W                      | 4822 117 10837 | 3561   | 220 ohm, 5%, 1/2W, Carbon.           | 4822 116 83872 |
| 3207   | 1k, 1%, 2/5W                         | 4822 050 11002 | 3562   | 10k, 1%, 1/10W                       | 4822 117 10833 |
| 3208   | 220 ohm, 1%, 1/10W                   | 4822 117 11503 | 3563   | 4.7k, 5%, 1/10W                      | 4822 051 20472 |
| 3212   | 470 ohm, 5%, 1/10W                   | 4822 051 20471 | S 3564 | Power Resistor, 0 ohm, +100%/-0%, 2W | 3198 012 21070 |
| 3217   | 330k, 5%, 1/10W                      | 4822 051 20334 | S 3565 | 330 ohm, 5%, 1W, Power Resistor      | 4822 053 10331 |
| 3218   | 82k, 1%, 1/10W                       | 4822 117 11149 | 3566   | 2.2k, 5%, 1/10W, Carbon.             | 4822 117 11449 |
| 3219   | 2.2k, 5%, 1/10W, Carbon.             | 4822 117 11449 | 3567   | 2.2k, 5%, 1/10W, Carbon.             | 4822 117 11449 |
| 3226   | 560 ohm, 5%, 1/10W                   | 4822 051 20561 | 3568   | 8.2k, 5%, 1/10W                      | 4822 051 20822 |
| 3235   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 | 3569   | 5.6k, 5%, 1/10W                      | 4822 051 20562 |
| 3241   | 22k, 5%, 1/10W                       | 4822 051 20223 | 3580   | 47k, 1%, 1/10W                       | 4822 117 10834 |
| 3242   | 27k, 5%, 1/10W                       | 4822 051 20273 | 3601   | 8.2k, 5%, 1/2W                       | 4822 116 52303 |
| 3244   | 820 ohm, 5%, 1/2W, Carbon.           | 4822 116 52231 | 3603   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 |
| 3245   | 39k, 5%, 1/10W                       | 4822 051 20393 | 3604   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 |
| 3246   | 10k, 1%, 1/10W                       | 4822 117 10833 | 3605   | 4.7k, 5%, 1/10W                      | 4822 051 20472 |
| 3247   | 220k, 1%, 1/10W                      | 4822 117 13579 | 3606   | 2.2k, 5%, 1/2W, Carbon               | 4822 116 52256 |
| 3248   | 27k, 5%, 1/10W                       | 4822 051 20273 | 3607   | 2.2k, 5%, 1/2W, Carbon               | 4822 116 52256 |
| 3249   | 820 ohm, 5%, 1/2W, Carbon.           | 4822 116 52231 | 3608   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 |
| 3251   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 | 3609   | 1k, 1%, 2/5W                         | 4822 050 11002 |
| 3254   | 1 Meg, 5%, 1/10W                     | 4822 051 20105 | 3610   | 8.2k, 5%, 1/2W                       | 4822 116 52303 |
| 3256   | 1k, 2%, 1/4W                         | 4822 051 10102 | 3611   | 100 ohm, 1%                          | 4822 117 11373 |
| 3257   | 10 Meg, 5%, 1/10W                    | 4822 051 20106 | 3618   | 6.8k, 5%, Carbon                     | 4822 116 83961 |
| 3258   | 330k, 5%, 1/10W                      | 4822 051 20334 | 3622   | 100 ohm, 1%                          | 4822 117 11373 |
| 3259   | 470k, 5%, 1/10W                      | 4822 051 20474 | 3623   | 4.7k, 5%, 1/10W                      | 4822 051 20472 |
| 3401   | 330k, 5%, 1/2W                       | 4822 053 21334 | 3624   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 |
| 3402   | 18k, 5%, 1/2W, Carbon.               | 4822 116 52251 | 3625   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 |
| S 3403 | 22 ohm, 5%, 3W, Power Resistor       | 4822 053 12229 | 3626   | 4.7k, 5%, 1/10W                      | 4822 051 20472 |
| 3404   | Fusible Resistor, 6.8 ohm, 5%, 1/3W. | 4822 052 10688 | 3627   | 4.7k, 5%, 1/10W                      | 4822 051 20472 |
| 3406   | 10k, 1%, 3/5W                        | 4822 050 21003 | 3628   | 10k, 1%, 1/10W                       | 4822 117 10833 |
| S 3407 | 220 ohm, 5%, 3.5W, Power Resistor    | 4822 112 21089 | 3630   | 2.2k, 5%, 1/10W, Carbon.             | 4822 117 11449 |
| 3408   | 1k, 1%, 2/5W                         | 4822 050 11002 | 3632   | 0 ohm, Chip Jumper                   | 4822 051 20008 |
| S 3410 | 33k, 5%, 1/10W                       | 4822 051 20333 | 3635   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 |
| 3411   | Fusible Resistor, 10 ohm, 5%, 1/3W   | 4822 052 10109 | 3636   | 100 ohm, 1%                          | 4822 117 11373 |
| 3412   | 3.3k, 1%, Metal Film                 | 2312 915 13302 | 3681   | 390 ohm, 5%, 1/10W                   | 4822 051 20391 |
| 3413   | 10k, 1%, 1/10W                       | 4822 117 10833 | 3682   | 3.3k, 5%, 1/10W                      | 4822 051 20332 |
| 3414   | 1.5k, 1%, Metal Film                 | 2312 915 11502 | 3683   | 390 ohm, 5%, 1/10W                   | 4822 051 20391 |
| 3415   | 1k, 1%, 2/5W                         | 4822 050 11002 | 3684   | 560 ohm, 5%, 1/10W                   | 4822 051 20561 |
| 3416   | Fusible Resistor, 3.9 ohm, 5%, 1/3W. | 4822 052 10398 | 3685   | 560 ohm, 5%, 1/10W                   | 4822 051 20561 |
| 3417   | 33k, 1%, 3/5W                        | 4822 050 23303 | 3686   | 1.5k, 1%, 1/10W                      | 4822 117 11139 |
| 3418   | 33k, 5%, 1/10W                       | 4822 051 20333 | 3691   | 330 ohm, 1%, 1.25W                   | 4822 117 13577 |
| 3419   | 6.8k, 1%, 1/10W                      | 4822 117 11507 | 3693   | 220 ohm, 1%, 1/10W                   | 4822 117 11503 |
| 3420   | 33k, 5%, 1/10W                       | 4822 051 20333 | 3694   | 4.7k, 5%, 1/10W                      | 4822 051 20472 |
| S 3421 | Power Resistor, 6.8 ohm, 5%, 2W.     | 4822 053 11688 | 3801   | 220 ohm, 5%, 1/2W, Carbon.           | 4822 116 83872 |
| 3422   | 100 ohm, 1%                          | 4822 117 11373 | 3802   | 1k, 1%, 2/5W                         | 4822 050 11002 |
| 3423   | 820 ohm, 1%, 1/10W, Carbon           | 4822 117 11454 | 3803   | 100k, 1%, 1/10W                      | 4822 117 10837 |
| 3424   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 | 3804   | 82k, 1%, 1/10W                       | 4822 117 11149 |
| 3425   | 12k, 5%, 1/2W, Carbon.               | 4822 116 52238 | 3805   | 1k, 2%, 1/4W                         | 4822 051 10102 |
| 3426   | 0 ohm, Chip Jumper                   | 4822 051 20008 | 3806   | 100k, 1%, 1/10W                      | 4822 117 10837 |
| 3427   | 12k, 5%, 1/2W, Carbon.               | 4822 116 52238 | 3807   | 82k, 1%, 1/10W                       | 4822 117 11149 |
| 3428   | Fusible Resistor, 39 ohm, 5%, 1/3W   | 4822 052 11399 | 3808   | 1k, 1%, 2/5W                         | 4822 050 11002 |
| 3431   | 3.3k, 5%, 1/10W                      | 4822 051 20332 | 3831   | 47k, 1%, 1/10W                       | 4822 117 10834 |
| 3432   | 22 ohm, 5%, 1/2W, Carbon             | 4822 116 52186 | 3832   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 |
| 3471   | 3.3 ohm, 1%, Metal Film              | 2312 915 13308 | 3833   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 |
| 3472   | 3.9 ohm, 1%, Metal Film              | 2312 915 13908 | 3836   | 1k, 1%, 2/5W                         | 4822 050 11002 |
| 3473   | 2.2k, 1%, Metal Film                 | 2312 915 12202 | 3837   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 |
| 3474   | 1k, 1%, 2/5W                         | 4822 050 11002 | 3838   | 1k, 2%, 1/4W                         | 4822 051 10102 |
| 3475   | 2.2k, 1%, Metal Film                 | 2312 915 12202 | 3839   | 100 ohm, 5%, 1/2W, Carbon.           | 4822 116 52175 |
| S 3476 | Fusible Resistor, 1.5 ohm, 5%, 1/3W. | 4822 052 10158 | 3843   | 2.2k, 5%, 1/10W, Carbon.             | 4822 117 11449 |
| 3477   | 220 ohm, 5%, 1/2W, Carbon.           | 4822 116 83872 | 3901   | 1k, 2%, 1/4W                         | 4822 051 10102 |
| 3478   | 220 ohm, 5%, 1/2W, Carbon.           | 4822 116 83872 | 3902   | 3.3k, 5%, 1/10W                      | 4822 051 20332 |
| 3479   | 1k, 1%, 2/5W                         | 4822 050 11002 | 3903   | 3.3k, 5%, 1/10W                      | 4822 051 20332 |
| S 3500 | 3.3 Meg, 5%, 1/2W                    | 4822 053 21335 | 3904   | 10k, 1%, 1/10W                       | 4822 117 10833 |
| S 3501 | 3.3 Meg, 5%, 1/2W                    | 4822 053 21335 | 3905   | 3.3k, 5%, 1/10W                      | 4822 051 20332 |
| S 3502 | 4.7 ohm, 20%, 3.1W, Non-Linear, NTC. | 2122 612 00055 | 3906   | 10k, 1%, 1/10W                       | 4822 117 10833 |
| 3503   | 10 ohm, 30% 120W, Non Linear, PTC.   | 2120 661 00026 | 3907   | 8.2k, 5%, 1/10W                      | 4822 051 20822 |
| 3506   | 220 ohm, 5%, 1/2W, Carbon.           | 4822 116 83872 | 3981   | 120 ohm, 5%, 1/2W, Carbon.           | 4822 116 52206 |
| 3507   | Spark Gap, DSP301N-A21F.             | 4822 252 11215 | 3982   | 120 ohm, 5%, 1/2W, Carbon.           | 4822 116 52206 |
| 3508   | 1.5 Meg, 5%, 1/2W.                   | 4822 053 21155 | 4001   | 0 ohm, Chip Jumper                   | 4822 051 20008 |
| 3519   | 270 ohm, 5%, 1/2W, Carbon.           | 4822 116 83876 | 4002   | 0 ohm, Chip Jumper                   | 4822 051 20008 |
| 3520   | 1.2k, 5%, 1/10W                      | 4822 051 20122 | 4121   | 0 ohm, Chip Jumper                   | 4822 051 20008 |
| 3521   | 22 ohm, 5%, 1/2W, Carbon             | 4822 116 52186 | 4181   | 0 ohm, Chip Jumper                   | 4822 051 20008 |
| 3522   | 330k, 5%, 1/10W                      | 4822 051 20334 | 4209   | 0 ohm, Chip Jumper                   | 4822 051 20008 |

S = Safety Part Be sure to use exact replacement part.

# 15PV1022 (continued)

|        |   |                |  |   |                |
|--------|---|----------------|--|---|----------------|
| 4216   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 6566   | Diode, BAS316. . . . .  | 4822 130 11397 |
| 4217   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 6569   | Diode, BAS316. . . . .  | 4822 130 11397 |
| 4410   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 6570   | Diode, Zener, PDZ6.8B (6.8 Volts). . . . .                    | 4822 130 11416 |
| 4501   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 6580   | Diode, BAS316. . . . .  | 4822 130 11397 |
| 4613   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 6581   | Diode, BAS316. . . . .  | 4822 130 11397 |
| 4614   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 6681   | Diode, BAT85 . . . . .  | 4822 130 31983 |
| 4615   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 6691   | LED, VS LTL-10224WHCR (LITO) B . . . . .                      | 9322 050 99682 |
| 4616   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 6692   | IR Receiver, TSOP1836UH1 (TEG)L. . . . .                      | 9322 127 54667 |
| 4617   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 6831   | Diode, 1N4148. . . . .  | 4822 130 30621 |
| 4618   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 6901   | Diode, BAS316. . . . .  | 4822 130 11397 |
| 4619   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7200   | IC, Microprocessor, TDA9587H/N1/3/0481                        | 9352 699 87557 |
| 4622   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7201   | Transistor, BC847B . . . . .                                  | 4822 130 60511 |
| 4623   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7204   | Transistor, BC856B . . . . .                                  | 4822 130 60373 |
| 4691   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7241   | Transistor, PDTA114ET (COL) R . . . . .                       | 3198 010 44010 |
| 4692   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7401   | Transistor, PDTC143ZT (PHSE) R . . . . .                      | 9340 547 00215 |
| 4693   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7402   | Power Transistor, BUT11APX-1200 (PHSE)                        | 9340 563 21127 |
| 4802   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7403   | Transistor, BC337-25 . . . . .                                | 4822 130 40981 |
| 4804   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7404   | Transistor, BC637. . . . .                                    | 4822 130 44283 |
| 4811   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7405   | Transistor, BC856B . . . . .                                  | 4822 130 60373 |
| 4812   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7406   | Transistor, BC856B . . . . .                                  | 4822 130 60373 |
| 4813   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7407   | Transistor, BD135-16 . . . . .                                | 4822 130 41109 |
| 4814   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7408   | Transistor, BD135-16 . . . . .                                | 4822 130 41109 |
| 4831   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7409   | Transistor, BC856B . . . . .                                  | 4822 130 60373 |
| 4833   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7471   | IC, TDA9302H . . . . .  | 4822 209 13176 |
| 4835   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | S 7515   | Opto-Coupler, TCET1103G. . . . .                              | 8238 274 02070 |
| 4901   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7520   | IC, TEA1507P/N1 (PHSE) L . . . . .                            | 9352 673 56112 |
| 4903   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7521   | Transistor, FET Power STP5NC50FP (M1P3)                       | 3139 120 51951 |
| 4911   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7522   | Transistor, BC847B . . . . .                                  | 4822 130 60511 |
| 4982   | 0 ohm, Chip Jumper . . . . .                            | 4822 051 20008 | 7540   | Transistor, BC547B . . . . .                                  | 4822 130 40959 |
| 5001   | Coil, 5.6uH. . . . .                                    | 4822 157 51216 | 7541   | Transistor, PDTC114ET. . . . .                                | 4822 130 11155 |
| 5002   | Fixed Inductor, 0.82uH., 10% . . . . .                  | 3198 018 18270 | 7542   | Transistor, BC856B . . . . .                                  | 4822 130 60373 |
| 5201   | Coil, 6.8uH., 5% . . . . .                              | 4822 157 11139 | 7560   | IC, Voltage/Current Regulator LE33CZ . . . . .                | 4822 209 15576 |
| 5202   | Coil, 10uH., 10% . . . . .                              | 4822 157 51462 | 7561   | Transistor, PDTC143ZT (PHSE) R . . . . .                      | 9340 547 00215 |
| 5241   | Coil, 10uH., 10% . . . . .                              | 4822 157 51462 | 7562   | Transistor, BC847B . . . . .                                  | 4822 130 60373 |
| 5242   | Coil, 10uH., 5% . . . . .                               | 4822 157 11706 | 7564   | Transistor, BC847B . . . . .                                  | 4822 130 60373 |
| 5406   | Linear Correction Coil . . . . .                        | 3128 138 56801 | 7580   | Transistor, BC847B . . . . .                                  | 4822 130 60373 |
| 5408   | Coil, 27uH. . . . .                                     | 4822 157 71401 | 7602   | IC, EEPROM, M24C16-WBN6 (ST00) . . . . .                      | 9322 147 25682 |
| 5410   | Coil, 27uH. . . . .                                     | 4822 157 71401 | 7801   | IC, Logic, HEF4052BT . . . . .                                | 5322 209 11102 |
| 5444   | Transformer, Signal Driver, SC10009-03                  | 2422 531 02446 | 7802   | IC, Logic, HEF4053BT . . . . .                                | 5322 209 14481 |
| S 5445 | Transformer, LOT, MSLOT4 . . . . .                      | 3128 138 21541 | 7803   | Transistor, BC847B . . . . .                                  | 4822 130 60511 |
| S 5502 | AC Filter, 1 Amp . . . . .                              | 2422 549 44284 | 7804   | Transistor, BC847B . . . . .                                  | 4822 130 60511 |
| 5505   | Ferrite Bead, 100MHz . . . . .                          | 4822 526 10704 | 7901   | IC, Amplifier AN7522N (MATJ) . . . . .                        | 9322 158 65667 |
| S 5520 | Transformer, SS28011-04A B . . . . .                    | 2422 531 02458 | CBA  | Main Chassis . . . . .  | 3139 127 23491 |
| 5521   | Ferrite Bead, 100MHz . . . . .                          | 4822 526 10704 | <b>Model 14RF50S3 &amp; 15PV1022 Cabinet Parts</b> |   |                |
| 5560   | Ferrite Bead, 100MHz . . . . .                          | 4822 526 10704 | <b>Model 14RF50S3 &amp; 15PV1022 Cabinet Parts</b> |   |                |
| 5561   | Coil, 27uH. . . . .                                     | 4822 157 52392 | AC03   | Cabinet Back . . . . .  | 3139 137 88651 |
| 5562   | Ferrite Bead, 100MHz . . . . .                          | 4822 526 10704 | AC04   | Cabinet Front. . . . .  | 3139 137 88641 |
| 5563   | Ferrite Bead, 100MHz . . . . .                          | 4822 526 10704 | AC05   | Chassis Guide, Plastic . . . . .                              | 3139 124 34091 |
| 5602   | Coil, 5.6uH, 5%. . . . .                                | 4822 157 11867 | AC06   | Control Buttons. . . . .                                      | 3139 137 88921 |
| 5603   | Coil, 5.6uH., 5% . . . . .                              | 4822 157 11867 | S AC08   | CRT, A36QDT351X01. . . . .                                    | 9322 163 43682 |
| 5604   | Coil, 5.6uH., 5% . . . . .                              | 4822 157 11867 | S AC09   | Degaussing Coil. . . . .                                      | 3139 128 76331 |
| 5831   | Coil, 6.8uH., 5% . . . . .                              | 4822 157 11139 | AC11   | Light Guide, Plastic . . . . .                                | 3139 124 34321 |
| 5832   | Coil, 6.8uH., 5% . . . . .                              | 4822 157 11139 | AC14   | Power Button . . . . .  | 3139 137 88811 |
| 5833   | Coil, 6.8uH., 5% . . . . .                              | 4822 157 11139 | AC16   | Speaker, Full Range, 2X3W. . . . .                            | 3139 178 89451 |
| 5835   | 12uF., 10%, Ceramic. . . . .                            | 3198 018 31290 | S AC18   | ITC = Integrated Tube Component, CRT & Yoke Pre-Set . . . . . | 0000 000 00ITC |
| 6001   | Diode, Zener, BZX79-B33 (33 Volts) . . . . .            | 4822 130 34142 | AC33   | Cabinet Door . . . . .  | 3139 137 99211 |
| 6201   | Diode, BAS316. . . . .                                  | 4822 130 11397 | AC40   | Jack Panel Cover (Not shown) . . . . .                        | 3139 124 25551 |
| 6202   | Diode, BAS316. . . . .                                  | 4822 130 11397 | REMOTE   | Remote Transmitter, RC19036002/01. . . . .                    | 3139 228 88001 |
| 6206   | Diode, Zener, PDZ6.8B (6.8 Volts). . . . .              | 4822 130 11416 | <b>CRT Panel</b>                                   |   |                |
| 6241   | Diode, Zener, PDZ6.8B (6.8 Volts). . . . .              | 4822 130 11416 | <b>CRT Panel</b>                                   |   |                |
| 6401   | Diode, BAV21 . . . . .                                  | 4822 130 30842 | 0244   | 3 Pin Connector. . . . .                                      | 2422 025 04851 |
| 6402   | Diode, SBYV27-200, Power Rectifier . . . . .            | 4822 130 10871 | 0245   | 6 Pin Connector. . . . .                                      | 2422 025 04854 |
| 6404   | Diode, BYD33M, Power Rectifier . . . . .                | 4822 130 32896 | S 0254   | 9 Pin CRT Socket (N-Neck). . . . .                            | 2422 500 80067 |
| 6405   | Diode, BYD33D, Power Rectifier . . . . .                | 4822 130 42488 | 2313   | 270pF., 5%, 50V, NP0, Ceramic. . . . .                        | 4822 122 33216 |
| 6406   | Diode, BAV70 . . . . .                                  | 5322 130 34331 | 2323   | 390pF., 5%, 50V, NP0, Ceramic. . . . .                        | 4822 122 33172 |
| 6407   | Diode, BAS316. . . . .                                  | 4822 130 11397 | 2331   | 390pF., 5%, 50V, NP0, Ceramic. . . . .                        | 4822 122 33172 |
| 6408   | Diode, BAS316. . . . .                                  | 4822 130 11397 | 2341   | 2200pF., 10%, 1kV, Ceramic . . . . .                          | 4822 126 14588 |
| 6409   | Diode, BYD33D, Power Rectifier . . . . .                | 4822 130 42488 | 2342   | 0.047uF., 10%, 250V, Metal Film. . . . .                      | 4822 121 70386 |
| 6410   | Diode, BYD33D, Power Rectifier . . . . .                | 4822 130 42488 | 2343   | 0.047uF., 10%, 250V, Metal Film. . . . .                      | 4822 121 70386 |
| 6413   | Diode, 1N4148. . . . .                                  | 4822 130 30621 | 3311   | 1.5k, 1%, 1/10W. . . . .                                      | 4822 117 11139 |
| 6414   | Diode, Zener, BZX79-B6V2 (6.2 Volts) . . . . .          | 4822 130 34167 | S 3312   | 330 ohm, 1%, 1.25W . . . . .                                  | 4822 117 13577 |
| 6415   | Diode, BAS316. . . . .                                  | 4822 130 11397 | 3313   | 10 ohm, 5%, 1/10W. . . . .                                    | 4822 051 20109 |
| 6419   | Diode, Zener, BZX79-B5V6 (5.6 Volts) . . . . .          | 4822 130 34173 | S 3314   | 18k, 5%, 3W, Metal Film. . . . .                              | 4822 053 12183 |
| 6420   | Diode, Zener, BZX79-B9V1 (9.1 Volts) . . . . .          | 4822 130 30862 | S 3316   | Fusible Resistor, 68 ohm, 5%, 1/3W . . . . .                  | 4822 052 10689 |
| 6423   | Diode, BYD33D, Power Rectifier . . . . .                | 4822 130 42488 | 3317   | 1.5k, 20%, 1/2W, Carbon. . . . .                              | 3198 013 01520 |
| 6471   | Diode, BYD33D, Power Rectifier . . . . .                | 4822 130 42488 | 3321   | 1.5k, 1%, 1/10W. . . . .                                      | 4822 117 11139 |
| 6500   | Diode, BYW55 . . . . .                                  | 4822 130 31083 | S 3322   | 330 ohm, 1%, 1.25W . . . . .                                  | 4822 117 13577 |
| 6501   | Diode, BYW55 . . . . .                                  | 4822 130 31083 | 3323   | 10 ohm, 5%, 1/10W. . . . .                                    | 4822 051 20109 |
| 6502   | Diode, BYW55 . . . . .                                  | 4822 130 31083 | S 3324   | 18k, 5%, 3W, Metal Film. . . . .                              | 4822 053 12183 |
| 6503   | Diode, BYW55 . . . . .                                  | 4822 130 31083 | S 3326   | Fusible Resistor, 68 ohm, 5%, 1/3W . . . . .                  | 4822 052 10689 |
| 6520   | Diode, BYD33D, Power Rectifier . . . . .                | 4822 130 42488 | 3327   | 1.5k, 20%, 1/2W, Carbon. . . . .                              | 3198 013 01520 |
| 6523   | Diode, 1N4148. . . . .                                  | 4822 130 30621 | 3331   | 1.5k, 1%, 1/10W. . . . .                                      | 4822 117 11139 |
| 6540   | Diode, Zener, BZX79-B6V2 (6.2 Volts) . . . . .          | 4822 130 34167 | S 3332   | 330 ohm, 1%, 1.25W . . . . .                                  | 4822 117 13577 |
| 6541   | Diode, Zener, BZX79-B10 (10 Volts) . . . . .            | 4822 130 61219 | 3333   | 10 ohm, 5%, 1/10W. . . . .                                    | 4822 051 20109 |
| 6560   | Diode, BYW76-RAS15/10 (TEG0)B, Power Rectifier. . . . . | 9322 127 32682 | S 3334   | 18k, 5%, 3W, Metal Film. . . . .                              | 4822 053 12183 |
| 6561   | Diode, BYW76-RAS15/10 (TEG0)B, Power Rectifier. . . . . | 9322 127 32682 | S 3336   | Fusible Resistor, 68 ohm, 5%, 1/3W . . . . .                  | 4822 052 10689 |
| 6562   | Diode, EGP20DL-5100 (GI00) B, Power Rectifier . . . . . | 9322 164 42682 | 3337   | 1.5k, 20%, 1/2W, Carbon. . . . .                              | 3198 013 01520 |
| 6563   | Diode, BAS316. . . . .                                  | 4822 130 11397 | 3341   | 1.5k, 20%, 1/2W, Carbon. . . . .                              | 3198 013 01520 |
| 6565   | Diode, BAV70 . . . . .                                  | 5322 130 34331 | S 3347   | Fusible Resistor, 220 ohm, 5%, 1/3W. . . . .                  | 4822 052 10221 |

S = Safety Part Be sure to use exact replacement part.

## 15PV1022 (continued)

|        |  |      |     |       |
|--------|--|------|-----|-------|
| 3348   | 1.5k, 20%, 1/2W, Carbon. . . . .       | 3198 | 013 | 01520 |
| S 3349 | Fusible Resistor, 1 ohm, 5%, 1/3W. . . | 4822 | 052 | 10108 |
| S 3350 | Fusible Resistor, 1 ohm, 5%, 1/3W. . . | 4822 | 052 | 10108 |
| 5341   | Coil, 22uH., 5%. . . . .               | 4822 | 157 | 11441 |
| 5342   | Ferrite Bead, 100MHz . . . . .         | 4822 | 526 | 10704 |
| 6311   | Diode, BAV21 . . . . .                 | 4822 | 130 | 30842 |
| 6321   | Diode, BAV21 . . . . .                 | 4822 | 130 | 30842 |
| 6331   | Diode, BAV21 . . . . .                 | 4822 | 130 | 30842 |
| 6341   | Diode, BAV21 . . . . .                 | 4822 | 130 | 30842 |
| 6342   | Diode, 1SS135. . . . .                 | 4822 | 130 | 33697 |
| 6343   | Diode, Zener, UDZS8.2B (8.2 Volts) . . | 4822 | 130 | 10837 |
| 7311   | Transistor, BF423. . . . .             | 4822 | 130 | 41782 |
| 7312   | Transistor, BF423. . . . .             | 4822 | 130 | 41782 |
| 7313   | Transistor, BF424. . . . .             | 4822 | 130 | 41646 |
| 7321   | Transistor, BF423. . . . .             | 4822 | 130 | 41782 |
| 7322   | Transistor, BF423. . . . .             | 4822 | 130 | 41782 |
| 7323   | Transistor, BF424. . . . .             | 4822 | 130 | 41646 |
| 7331   | Transistor, BF423. . . . .             | 4822 | 130 | 41782 |
| 7332   | Transistor, BF423. . . . .             | 4822 | 130 | 41782 |
| 7333   | Transistor, BF424. . . . .             | 4822 | 130 | 41646 |
| CBA    | CRT Panel. . . . .                     | 3139 | 178 | 85281 |

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## Main Chassis

| Main Chassis |  |  |  | 2422 | 470uF., 20%, 16V, Electrolytic           | 2020 | 021 | 91577 |
|--------------|--|--|--|------|--|------|-----|-------|
|              | Main Chassis                             |  |  | 2423 | 10uF., 20%, 100V, Electrolytic           | 2020 | 021 | 90813 |
| 0127         | 2 Pin Fuse Socket.                       |  |  | 2471 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 0138         | IC-SPRING FOR ITEM 7471 (IC TDA9302H).   |  |  | 2472 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 0139         | IC-SPRING 7402                           |  |  | 2473 | 100uF., 20%, 50V, Electrolytic           | 2020 | 021 | 90587 |
| 0211         | 2 Pin Connector (AC Input Plug).         |  |  | 2475 | 470pF., 50V, Ceramic                     | 3198 | 016 | 04710 |
| 0212         | 2 Pin Connector (Degaussing Plug (RED))  |  |  | 2476 | 0.22uF., 10%, 50V, Metalized Polyester   | 3198 | 014 | 02240 |
| 0217         | 3 Pin Connector.                         |  |  | 2477 | 470pF., 50V, Ceramic                     | 3198 | 016 | 04710 |
| 0218         | 2 Pin Connector.                         |  |  | 2500 | 0.47uF., 20%, 275V, Metalized Polypropyl |      |     |       |
| 0220         | 3 Pin Connector.                         |  |  |      | ene.                                     | 2022 | 330 | 00018 |
| 0221         | 6 Pin Connector.                         |  |  | 2501 | 2200pF., 1kV, Ceramic.                   | 3198 | 019 | 52220 |
| 0222         | 2 Pin Connector.                         |  |  | 2502 | 2200pF., 1kV, Ceramic.                   | 3198 | 019 | 52220 |
| 0232         | Headphone Jack                           |  |  | 2503 | 220uF, 20%, 200V, Electrolytic           | 2020 | 024 | 90557 |
| 0243         | 6 Pin Connector.                         |  |  | 2504 | 2200pF., 1kV, Ceramic.                   | 3198 | 019 | 52220 |
| 0244         | 3 Pin Connector.                         |  |  | 2506 | 2200pF., 1kV, Ceramic.                   | 3198 | 019 | 52220 |
| 0245         | 6 Pin Connector.                         |  |  | 2508 | 470pF., 1kV, 10%, Ceramic.               | 3198 | 019 | 64710 |
| 0246         | 3 Pin Connector.                         |  |  | 2515 | 1500pF., 250V, 20%, Ceramic.             | 2020 | 554 | 90172 |
| 0254         | 9 Pin CRT Socket (N-NECK).               |  |  | 2520 | 0.1uF., 16V, Ceramic                     | 3198 | 017 | 01040 |
| 1000         | Tuner V+U PLL F ENV56D98G3               |  |  | 2521 | 22uF., 20%, 50V, Electrolytic.           | 3198 | 025 | 52290 |
| 1002         | 45.75 MHz Saw Filter F072TPL-A           |  |  | 2522 | 0.1uF., 16V, Ceramic                     | 3198 | 017 | 01040 |
| 1200         | 4.5MHz Ceramic Filter, TPS*MB.           |  |  | 2523 | 1500pF., 2kV, 10%, Ceramic               | 2020 | 558 | 90489 |
| 1500         | 5 Amp, 250V, Fuse (5X20)                 |  |  | 2525 | 470pF, 50V, Ceramic.                     | 3198 | 017 | 04710 |
| 1515         | 5 Amp, 12V, 1 Pin Relay, G5PA-1.         |  |  | 2526 | 0.001uF., 50V, Ceramic                   | 3198 | 017 | 01020 |
| 1600         | Tact Switch.                             |  |  | 2527 | 470pF, 50V, Ceramic.                     | 3198 | 017 | 04710 |
| 1601         | Tact Switch.                             |  |  | 2540 | 0.015uF., 50V, Ceramic                   | 3198 | 017 | 01530 |
| 1602         | Tact Switch.                             |  |  | 2560 | 1000pF., 1kV, 10%, Ceramic               | 3198 | 019 | 61020 |
| 1603         | Tact Switch.                             |  |  | 2561 | 47uF., 20%, 160V, Electrolytic           | 2020 | 021 | 91358 |
| 1606         | Tact Switch.                             |  |  | 2562 | 1000pF, 50V, Ceramic                     | 3198 | 019 | 11020 |
| 1660         | 12MHz, Crystal Resonator, HC49/U A       |  |  | 2563 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 2004         | 0.047uF., 25V, Ceramic                   |  |  | 2564 | 2200uF., 20%, 16V, Electrolytic.         | 2020 | 012 | 93057 |
| 2005         | 10uF., 20%, 50V, Electrolytic.           |  |  | 2565 | 470pF., 1kV, 10%, Ceramic.               | 3198 | 019 | 64710 |
| 2006         | 470uF., 20%, 16V, Electrolytic           |  |  | 2567 | 47uF., 20%, 25V, Electrolytic.           | 3198 | 025 | 34790 |
| 2007         | 0.1uF, 25V, Ceramic.                     |  |  | 2568 | 1uF., 20%, 50V, Electrolytic             | 3198 | 025 | 51080 |
| 2008         | 100uF., 20%, 25V, Electrolytic           |  |  | 2569 | 470pF, 50V, Ceramic.                     | 3198 | 017 | 04710 |
| 2009         | 0.022uF., 50V, Ceramic                   |  |  | 2580 | 47uF., 20%, 25V, Electrolytic.           | 3198 | 025 | 34790 |
| 2181         | 22pF., 50V, Ceramic.                     |  |  | 2601 | 0.22uF., 25V, Ceramic.                   | 3198 | 023 | 22240 |
| 2182         | 330pF., 50V, Ceramic                     |  |  | 2602 | 100pF., 50V, Ceramic                     | 3198 | 016 | 01010 |
| 2184         | 2.2uF., 10V, Ceramic                     |  |  | 2606 | 1000pF., 50V, Ceramic.                   | 3198 | 016 | 01020 |
| 2202         | 0.1uF, 25V, Ceramic.                     |  |  | 2607 | 33pF., 50V, Ceramic.                     | 3198 | 016 | 03390 |
| 2203         | 0.1uF, 25V, Ceramic.                     |  |  | 2608 | 0.1uF, 25V, Ceramic.                     | 3198 | 023 | 21040 |
| 2204         | 0.1uF, 25V, Ceramic.                     |  |  | 2609 | 33pF., 50V, Ceramic.                     | 3198 | 016 | 03390 |
| 2205         | 0.22uF., 25V, Ceramic.                   |  |  | 2611 | 0.1uF, 25V, Ceramic.                     | 3198 | 023 | 21040 |
| 2208         | 0.1uF, 25V, Ceramic.                     |  |  | 2612 | 22pF., 50V, Ceramic.                     | 3198 | 016 | 02290 |
| 2209         | 4.7uF., 20%, 50V, Electrolytic           |  |  | 2613 | 22pF., 50V, Ceramic.                     | 3198 | 016 | 02290 |
| 2210         | 0.47uF., 20%, 50V, Electrolytic.         |  |  | 2615 | 1000pF., 50V, Ceramic.                   | 3198 | 016 | 01020 |
| 2211         | 0.47uF, 16V, Ceramic                     |  |  | 2618 | 0.01uF., 50V, Ceramic.                   | 3198 | 017 | 01030 |
| 2216         | 100uF., 20%, 25V, Electrolytic           |  |  | 2619 | 1uF., 16V, Ceramic.                      | 3198 | 017 | 21050 |
| 2217         | 0.022uF., 50V, Ceramic                   |  |  | 2691 | 100uF., 20%, 25V, Electrolytic           | 3198 | 025 | 31010 |
| 2219         | 0.22uF., 25V, Ceramic                    |  |  | 2902 | 220uF., 20%, 50V, Electrolytic           | 3198 | 026 | 52210 |
| 2226         | 4700pF., 50V, Ceramic.                   |  |  | 2903 | 1uF., 20%, 50V, Electrolytic             | 3198 | 025 | 51080 |
| 2227         | 4700pF., 50V, Ceramic.                   |  |  | 2904 | 1uF., 16V, Ceramic.                      | 3198 | 017 | 21050 |
| 2228         | 820pF., 50V, Ceramic                     |  |  | 2905 | 1000pF., 50V, Ceramic.                   | 3198 | 016 | 01020 |
| 2229         | 10uF., 20%, 50V, Electrolytic.           |  |  | 2908 | 10uF., 20%, 50V, Electrolytic.           | 3198 | 025 | 51090 |
| 2233         | 820pF., 50V, Ceramic                     |  |  | 2941 | 1uF., 20%, 50V, Electrolytic             | 3198 | 025 | 51080 |
| 2241         | 4700pF., 50V, Ceramic.                   |  |  | 2942 | 0.033uF., 50V, Ceramic                   | 3198 | 017 | 03330 |
| 2242         | 1uF., 16V, Ceramic.                      |  |  | 2943 | 0.1uF., 16V, Ceramic                     | 3198 | 017 | 01040 |
| 2243         | 2200pF., 50V, Ceramic.                   |  |  | 2944 | 0.047uF, 50V, Ceramic.                   | 3198 | 017 | 24730 |
| 2244         | 0.1uF., 10%, 63V, Metalized Polyester.   |  |  | 2945 | 0.01uF., 50V, Ceramic.                   | 3198 | 017 | 01030 |
| 2245         | 0.22uF., 25V, Ceramic.                   |  |  | 2946 | 1uF., 16V, Ceramic.                      | 3198 | 017 | 21050 |
| 2246         | 4.7uF., 20%, 50V, Electrolytic           |  |  | 2981 | 100uF., 20%, 25V, Electrolytic           | 3198 | 025 | 31010 |
| 2247         | 100uF., 20%, 25V, Electrolytic           |  |  | 2982 | 470pF., 50V, Ceramic                     | 3198 | 016 | 04710 |
| 2248         | 0.022uF., 50V, Ceramic                   |  |  | 2983 | 100uF., 20%, 25V, Electrolytic           | 3198 | 025 | 31010 |
| 2249         | 0.022uF., 50V, Ceramic                   |  |  | 2984 | 470pF., 50V, Ceramic                     | 3198 | 016 | 04710 |
| 2250         | 2.2uF., 20%, 50V, Electrolytic           |  |  | 3000 | 100 ohm, 5%, 1/6W Carbon                 | 3198 | 011 | 01010 |
| 2252         | 1000pF., 50V, Ceramic.                   |  |  | 3001 | 100 ohm, 5%, 1/6W Carbon                 | 3198 | 011 | 01010 |
| 2253         | 1000pF., 50V, Ceramic.                   |  |  | 3002 | Zero ohm "Chip" Jumper                   | 3198 | 021 | 90020 |
| 2254         | 100pF., 50V, Ceramic                     |  |  | 3003 | 1.5k, 5%                                 | 3198 | 021 | 51520 |
| 2313         | 220pF., 50V, Ceramic                     |  |  | 3004 | 8.2k, 5%                                 | 3198 | 021 | 58220 |
| 2323         | 390pF., 50V, Ceramic                     |  |  | 3005 | 100 ohm, 5%, 1/6W Carbon                 | 3198 | 011 | 01010 |
| 2331         | 390pF., 50V, Ceramic                     |  |  | 3181 | 75 ohm, 5%, 1/6W Carbon.                 | 3198 | 011 | 07590 |
| 2341         | 2200pF., 1kV, 10%, Ceramic               |  |  | 3182 | 100 ohm, 5%, 1/6W Carbon                 | 3198 | 011 | 01010 |
| 2342         | 0.047uF, 10%, 250V Metalized Polyester   |  |  | 3183 | 150 ohm, 5%, 1/6W Carbon                 | 3198 | 011 | 01510 |
| 2343         | 0.047uF, 10%, 250V Metalized Polyester   |  |  | 3184 | 47k, 5%.                                 | 3198 | 021 | 54730 |
| 2401         | 680pF, 50V, Ceramic.                     |  |  | 3200 | 390 ohm, 5%, 1/6W Carbon                 | 3198 | 011 | 03910 |
| 2402         | 0.68uF., 5%, 250V, Metalized Polypropyl  |  |  | 3201 | 100 ohm, 5%, 1/6W Carbon                 | 3198 | 011 | 01010 |
|              | ene.                                     |  |  | 3202 | 100 ohm, 5%, 1/6W Carbon                 | 3198 | 011 | 01010 |
| 2406         | 330pF., 50V, Ceramic                     |  |  | 3203 | 100 ohm, 5%, 1/6W Carbon                 | 3198 | 011 | 01010 |
| 2407         | 0.010uF., 5%, 1.6kV, Metalized Polyprop  |  |  | 3204 | 10k, 5%, 1/6W Carbon                     | 3198 | 011 | 01030 |
|              | ylene.                                   |  |  | 3206 | 100k, 5%                                 | 3198 | 021 | 51040 |
| 2408         | 0.022uF., 50V, Ceramic                   |  |  | 3207 | 1k, 5%, 1/6W Carbon.                     | 3198 | 011 | 01020 |
| 2409         | 47uF., 20%, 160V, Electrolytic           |  |  | 3208 | 220 ohm, 5%.                             | 3198 | 021 | 52210 |
| 2410         | 470uF., 20%, 16V, Electrolytic           |  |  | 3209 | 68 ohm, 5%                               | 3198 | 021 | 56890 |
| 2411         | 47uF., 20%, 25V, Electrolytic.           |  |  | 3212 | 470 ohm, 5%.                             | 3198 | 021 | 54710 |
| 2412         | 0.033uF., 10%, 100V, Metalized Polyester |  |  | 3213 | 560 ohm, 5%, 1/6W Carbon                 | 3198 | 011 | 05610 |
| 2413         | 10uF., 20%, 250V, Electrolytic           |  |  | 3217 | 330k, 5%                                 | 3198 | 021 | 53340 |
| 2414         | 1000uF., 20%, 16V, Electrolytic.         |  |  | 3218 | 82k, 5%.                                 | 3198 | 021 | 58230 |
| 2416         | 820pF., 2kV, 10%, Ceramic.               |  |  | 3219 | 2.2k, 5%                                 | 3198 | 021 | 52220 |
| 2417         | 1000uF., 20%, 16V, Electrolytic.         |  |  | 3226 | 560 ohm, 5%.                             | 3198 | 021 | 55610 |
| 2418         | 0.01uF., 50V, Ceramic.                   |  |  | 3232 | 2.2k, 5%                                 | 3198 | 021 | 52220 |
| 2419         | 1uF., 20%, 50V Electrolytic              |  |  | 3235 | 100 ohm, 5%, 1/6W Carbon                 | 3198 | 011 | 01010 |
| 2420         | 1uF., 20%, 50V, Electrolytic             |  |  | 3241 | 22k, 5%.                                 | 3198 | 021 | 52230 |
| 2421         | 0.047uF, 50V, Ceramic.                   |  |  | 3242 | 27k, 5%.                                 | 3198 | 021 | 52730 |

S = Safety Part      Be sure to use exact replacement part.

# 19PR11C121 (continued)

|      |  |                |      |  |                |
|------|--|----------------|------|--|----------------|
| 3244 | 820 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 08210 | 3530 | 4.7k, 5% . . . . .                         | 3198 021 54720 |
| 3245 | 39k, 5%. . . . .   | 3198 021 53930 | 3531 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3246 | 10k, 5%. . . . .   | 3198 021 51030 | 3541 | 470 ohm, 5%. . . . .                       | 3198 021 54710 |
| 3247 | 220k, 5%. . . . .  | 3198 021 52240 | 3542 | 1.5k, 5%. . . . .                          | 3198 021 51520 |
| 3248 | 27k, 5%. . . . .   | 3198 021 52730 | 3543 | 82k, 1%, Metal Film. . . . .               | 2322 156 28203 |
| 3249 | 820 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 08210 | 3544 | 6.8k, 1%, Metal Film . . . . .             | 2322 156 26802 |
| 3251 | 100 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01010 | 3545 | 82k, 5%. . . . .                           | 3198 021 58230 |
| 3254 | 1M, 5% . . . . .   | 3198 021 51050 | 3546 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3256 | 1k, 5% . . . . .   | 3198 021 51020 | 3547 | 0.33 ohm, 5%, 1W, Power Resistor . . . . . | 3198 012 13370 |
| 3257 | 10Meg, 5%. . . . .   | 3198 021 51060 | 3548 | 8.2k, 5% . . . . .                         | 3198 021 58220 |
| 3258 | 330k, 5%. . . . .  | 3198 021 53340 | 3549 | 470 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 04710 |
| 3259 | 470k, 5%. . . . .  | 3198 021 54740 | 3552 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3311 | 3.9k, 5% . . . . .   | 3198 021 53920 | 3559 | 1k, 5% . . . . .                           | 3198 021 51020 |
| 3312 | 330 ohm, 5%. . . . .   | 3198 021 53310 | 3561 | 220 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 02210 |
| 3313 | 10 ohm, 5% . . . . .   | 3198 021 51090 | 3562 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3314 | 18k, 5%, Metal Film. . . . .                                     | 2322 195 63183 | 3563 | 4.7k, 5% . . . . .                         | 3198 021 54720 |
| 3316 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3564 | 4.7 ohm, 5%, 2W, Power Resistor. . . . .   | 3198 012 24780 |
| 3317 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3565 | 330 ohm, 5%, 1W, Power Resistor. . . . .   | 3198 012 13310 |
| 3321 | 3.9k, 5% . . . . .   | 3198 021 53920 | 3566 | 2.2k, 5% . . . . .                         | 3198 021 52220 |
| 3322 | 330 ohm, 5%. . . . .   | 3198 021 53310 | 3569 | 5.6k, 5%. . . . .                          | 3198 021 55620 |
| 3323 | 10 ohm, 5% . . . . .   | 3198 021 51090 | 3580 | 47k, 5%. . . . .                           | 3198 021 54730 |
| 3324 | 18k, 5%, Metal Film. . . . .                                     | 2322 195 63183 | 3603 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3326 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3604 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3327 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3605 | 4.7k, 5% . . . . .                         | 3198 021 54720 |
| 3331 | 3.9k, 5% . . . . .   | 3198 021 53920 | 3606 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3332 | 330 ohm, 5%. . . . .   | 3198 021 53310 | 3607 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3333 | 10 ohm, 5% . . . . .   | 3198 021 51090 | 3608 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3334 | 18k, 5%, Metal Film. . . . .                                     | 2322 195 63183 | 3611 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3336 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3614 | 4.7k, 5%, 1/6W Carbon. . . . .             | 3198 011 04720 |
| 3337 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3615 | 10k, 5%, 1/6W Carbon . . . . .             | 3198 011 01030 |
| 3341 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3617 | 4.7k, 5%, 1/6W Carbon. . . . .             | 3198 011 04720 |
| 3347 | 220 ohm, 5% Fusible Resistor NFR25 . . . . .                     | 2306 204 03221 | 3618 | 6.8k, 5%, 1/6W Carbon. . . . .             | 3198 011 06820 |
| 3348 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3619 | 8.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 08220 |
| 3349 | 1.2 ohm, 5% Fusible Resistor NFR25 . . . . .                     | 2306 204 03128 | 3622 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3350 | 1.2 ohm, 5% Fusible Resistor NFR25 . . . . .                     | 2306 204 03128 | 3623 | 4.7k, 5% . . . . .                         | 3198 021 54720 |
| 3401 | 330k, 5% . . . . .   | 2322 242 13334 | 3624 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3402 | 18k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01830 | 3625 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3403 | 22 ohm, 5%, 3W, Power Resistor . . . . .                         | 3198 012 32290 | 3626 | 4.7k, 5% . . . . .                         | 3198 021 54720 |
| 3404 | 6.8 ohm, 5%, Fusible Resistor NFR25. . . . .                     | 2306 204 03688 | 3627 | 4.7k, 5% . . . . .                         | 3198 021 54720 |
| 3406 | 10k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01030 | 3628 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3407 | 220 ohm, 5%, 3W, Power Resistor. . . . .                         | 3198 012 32210 | 3630 | 2.2k, 5% . . . . .                         | 3198 021 52220 |
| 3408 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 3632 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3410 | 33k, 5%. . . . .   | 3198 021 53330 | 3636 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3411 | 10 ohm, 5% Fusible Resistor NFR25. . . . .                       | 2306 204 03109 | 3681 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3412 | 3.3k, 1%, Metal Film . . . . .                                   | 2322 156 23302 | 3682 | 3.3k, 5% . . . . .                         | 3198 021 53320 |
| 3413 | 10k, 5%. . . . .   | 3198 021 51030 | 3683 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3414 | 1.5k, 1%, Metal Film . . . . .                                   | 2322 156 21502 | 3684 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3415 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 3685 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3416 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3686 | 1.5k, 5% . . . . .                         | 3198 021 51520 |
| 3417 | 33k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 03330 | 3691 | 330 ohm, 5%. . . . .                       | 3198 021 53310 |
| 3418 | 33k, 5%. . . . .   | 3198 021 53330 | 3693 | 220 ohm, 5%. . . . .                       | 3198 021 52210 |
| 3419 | 6.8k, 5% . . . . .   | 3198 021 56820 | 3694 | 4.7k, 5% . . . . .                         | 3198 021 54720 |
| 3420 | 33k, 5%. . . . .   | 3198 021 53330 | 3901 | 1k, 5% . . . . .                           | 3198 021 51020 |
| 3421 | 6.8 ohm, 5%, 2W, Power Resistor. . . . .                         | 3198 012 26880 | 3902 | 3.3k, 5% . . . . .                         | 3198 021 53320 |
| 3422 | 100 ohm, 5%. . . . .   | 3198 021 51010 | 3903 | 8.2k, 5% . . . . .                         | 3198 021 58220 |
| 3423 | 820 ohm, 5%. . . . .   | 3198 021 58210 | 3904 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3424 | 100 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01010 | 3907 | 8.2k, 5% . . . . .                         | 3198 021 58220 |
| 3425 | 15k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01530 | 3941 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3426 | 1M, 5% . . . . .   | 3198 021 51050 | 3942 | 3.9k, 5% . . . . .                         | 3198 021 53920 |
| 3427 | 12k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01230 | 3943 | 2.7k, 5% . . . . .                         | 3198 021 52720 |
| 3428 | 39 ohm, 5% Fusible Resistor NFR25H . . . . .                     | 2306 207 03399 | 3944 | 2.7k, 5% . . . . .                         | 3198 021 52720 |
| 3431 | Zero ohm "Chip" Jumper . . . . .                                 | 3198 021 90020 | 3945 | 1k, 5% . . . . .                           | 3198 021 51020 |
| 3432 | 22 ohm, 5%, 1/6W Carbon. . . . .                                 | 3198 011 02290 | 3946 | 18k, 5%. . . . .                           | 3198 021 51830 |
| 3471 | 3.9 ohm, 1%, Metal Film. . . . .                                 | 2322 156 23908 | 3947 | 330 ohm, 5%. . . . .                       | 3198 021 53310 |
| 3472 | 3.9 ohm, 1%, Metal Film. . . . .                                 | 2322 156 23908 | 3948 | 47k, 5%. . . . .                           | 3198 021 54730 |
| 3473 | 2.2k, 1%, Metal Film . . . . .                                   | 2322 156 22202 | 3949 | 15k, 5%. . . . .                           | 3198 021 51530 |
| 3474 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 3950 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3475 | 2.2k, 1%, Metal Film . . . . .                                   | 2322 156 22202 | 3951 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3476 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                     | 2306 204 03158 | 3981 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3477 | 220 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02210 | 3982 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3478 | 220 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02210 | 4001 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3479 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 4002 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3500 | 3.3Meg, 5% . . . . .   | 2322 242 13335 | 4181 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3501 | 3.3Meg, 5% . . . . .   | 2322 242 13335 | 4212 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3502 | 4.7 ohm, 20%, 3.1W, Negative Temperature<br>Coefficient. . . . . | 2122 612 00055 | 4216 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3503 | 10 ohm, 30%, 120V, Positive Temperature<br>Coefficient. . . . .  | 2120 661 00026 | 4217 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3506 | Jumper Wire. . . . .   | 0322 179 00003 | 4410 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3507 | Surge Protector DSP-301N-A21F. . . . .                           | 2422 549 43073 | 4501 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3508 | 1.5Meg, 5% . . . . .   | 2322 242 13155 | 4613 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3519 | 270 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02710 | 4614 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3520 | 1.2k, 5% . . . . .   | 3198 021 51220 | 4615 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3521 | 4.7 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 04780 | 4616 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3522 | 330k, 5% . . . . .   | 3198 021 53340 | 4617 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3523 | 100 ohm, 5%, Fusible Resistor NFR25 . . . . .                    | 2306 204 03101 | 4618 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3524 | 56k, 5%. . . . .   | 3198 021 55630 | 4619 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3525 | 1k, 5% . . . . .   | 3198 021 51020 | 4622 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3526 | 0.15 ohm, 5%, 1W, Power Resistor . . . . .                       | 3198 012 11570 | 4623 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3527 | 2.2k ohm, 5%, Fusible Resistor NFR25 . . . . .                   | 2306 204 03222 | 4691 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3528 | 10k, 5%. . . . .   | 3198 021 51030 | 4692 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3529 | 47k, 5%. . . . .   | 3198 021 54730 | 4693 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |  |                | 4807 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |  |                | 4811 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |

S = Safety Part Be sure to use exact replacement part.



## 19PR11C121 (continued)

|      |  |                |      |  |                |
|------|--|----------------|------|--|----------------|
| 4812 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7402 | Power Transistor BUT11APX-1200 . . . . . | 9340 563 21127 |
| 4813 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7403 | Transistor BC337-25. . . . .             | 3198 020 43530 |
| 4814 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7404 | Transistor BC636 . . . . .               | 9332 219 50126 |
| 4901 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7405 | Transistor BC857B . . . . .              | 3198 010 42150 |
| 4911 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7406 | Transistor BC857B . . . . .              | 3198 010 42150 |
| 4982 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7407 | Power Transistor BD135-16. . . . .       | 3198 020 41190 |
| 5001 | Fixed Inductor, 5.6uH, 10%. . . . .              | 3198 018 25680 | 7408 | Power Transistor BD135-17. . . . .       | 3198 020 41190 |
| 5002 | Fixed Inductor, 0.82uH, 10%. . . . .             | 3198 018 18270 | 7409 | Transistor BC857B . . . . .              | 3198 010 42150 |
| 5201 | Fixed Inductor, 6.8uH, 5%. . . . .               | 3198 018 16880 | 7471 | IC, TDA9302H . . . . .                   | 9322 088 25682 |
| 5202 | Fixed Inductor, 10uH, 10%. . . . .               | 3198 018 21090 | 7515 | Opto-Coupler, TCET1103(G). . . . .       | 9322 140 14667 |
| 5241 | Fixed Inductor, 10uH, 10%. . . . .               | 3198 018 21090 | 7520 | IC, TEA1507P/N1. . . . .                 | 9352 673 56112 |
| 5242 | Fixed Inductor, 10uH, 5%. . . . .                | 3198 018 11090 | 7521 | Power FET, STP5NC50FP. . . . .           | 9322 160 71687 |
| 5341 | Fixed Inductor, 22uH, 5% SPT0508 . . . . .       | 2422 535 95365 | 7522 | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5342 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 7540 | Transistor BC547B. . . . .               | 3198 020 40030 |
| 5408 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7541 | Transistor PDTO114ET. . . . .            | 9340 310 10215 |
| 5410 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7542 | Transistor BC857B . . . . .              | 3198 010 42150 |
| 5444 | Signal Driver Transformer SC10009-03. . . . .    | 2422 531 02446 | 7560 | IC, L78L33ACZ. . . . .                   | 9322 134 92676 |
| 5445 | LOT Transformer MSLOT4 . . . . .                 | 3128 138 21541 | 7561 | Transistor PDTO1143ZT. . . . .           | 9340 547 00215 |
| 5502 | AC Filter. . . . .                               | 2422 549 44284 | 7580 | Transistor BC857B . . . . .              | 3198 010 42150 |
| 5520 | Transformer SS28011-04. . . . .                  | 2422 531 02458 | 7602 | IC M24C16-WBN6 . . . . .                 | 9322 147 25682 |
| 5521 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 7902 | IC, AN7523N. . . . .                     | 9322 158 66667 |
| 5560 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 7941 | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5561 | Fixed Inductor, 27uH, 10%. . . . .               | 3198 018 22790 | 7942 | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5562 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 7943 | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5563 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9181 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5602 | Fixed Inductor, 5.6uH, 5%. . . . .               | 3198 018 15680 | 9403 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5603 | Fixed Inductor, 5.6uH, 5%. . . . .               | 3198 018 15680 | 9692 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5604 | Fixed Inductor, 5.6uH, 5%. . . . .               | 3198 018 15680 | 9696 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5833 | Jumper Wire. . . . .                             | 0322 179 00003 | 9814 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6001 | Diode Regulator, BZX79-C33 (33Volt). . . . .     | 3198 010 23390 | 9820 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6201 | Diode, BAV21 . . . . .                           | 3198 010 10630 | 9821 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6202 | Diode, BAS316 . . . . .                          | 3198 010 10630 | 9822 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6206 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 | 9824 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6241 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 | 9825 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6311 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9826 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6321 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9827 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6331 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9828 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6341 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9829 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6342 | Diode, 1N4148. . . . .                           | 3198 010 10010 | 9830 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6343 | Diode Regulator, BZX384-C8V2 (8.2Volt) . . . . . | 3198 020 58280 | 9832 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6401 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9833 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6402 | Diode Rectifier, BYV27-200 . . . . .             | 9322 126 72673 | 9982 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6404 | Diode Rectifier, BYD33D. . . . .                 | 9337 410 30133 | 7200 | IC, TDA9587H/N1/3/0482 . . . . .         | 9352 699 88557 |
| 6405 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | CBA  | Main Chassis . . . . .                   | 3139 178 88971 |
| 6406 | Diode, BAV70. . . . .                            | 9331 849 10215 |      |  |                |
| 6407 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 6408 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 6409 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |  |                |
| 6410 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |  |                |
| 6413 | Diode, 1N4148. . . . .                           | 3198 010 10010 |      |  |                |
| 6414 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 |      |  |                |
| 6415 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 6419 | Diode Regulator, BZX79-C5V6 (5.6Volt). . . . .   | 3198 010 25680 |      |  |                |
| 6420 | Diode Regulator, BZX79-C9V1 (9.1Volt). . . . .   | 9331 177 80133 |      |  |                |
| 6423 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |  |                |
| 6471 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |  |                |
| 6500 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |  |                |
| 6501 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |  |                |
| 6502 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |  |                |
| 6503 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |  |                |
| 6520 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |  |                |
| 6523 | Diode, 1N4148. . . . .                           | 3198 010 10010 |      |  |                |
| 6540 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 |      |  |                |
| 6541 | Diode Regulator, BZX79-C10 (10Volt). . . . .     | 3198 010 21090 |      |  |                |
| 6560 | Diode Rectifier, BYW76-RAS15/10. . . . .         | 9322 127 32682 |      |  |                |
| 6561 | Diode Rectifier, BYW76-RAS15/10. . . . .         | 9322 127 32682 |      |  |                |
| 6562 | Diode Rectifier, EGP20DL-5100. . . . .           | 9322 164 42682 |      |  |                |
| 6563 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 6565 | Diode, BAV70. . . . .                            | 9331 849 10215 |      |  |                |
| 6566 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 6569 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 6570 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 |      |  |                |
| 6580 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 6581 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 6681 | Diode, BAT85 . . . . .                           | 9336 247 60133 |      |  |                |
| 6691 | LED, VS LTL-10224WHCR. . . . .                   | 9322 050 99682 |      |  |                |
| 6692 | IR Receiver, TSOP1836UH3V. . . . .               | 9322 127 54667 |      |  |                |
| 6901 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 7200 | IC, 2US1 Software Cluster. . . . .               | 9352 699 88557 |      |  |                |
| 7201 | Transistor BC847B . . . . .                      | 3198 010 42030 |      |  |                |
| 7204 | Transistor BC857B . . . . .                      | 3198 010 42150 |      |  |                |
| 7241 | Transistor PDTO114ET. . . . .                    | 3198 010 44010 |      |  |                |
| 7311 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |  |                |
| 7312 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |  |                |
| 7313 | Transistor BF423 . . . . .                       | 3198 020 43020 |      |  |                |
| 7321 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |  |                |
| 7322 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |  |                |
| 7323 | Transistor BF423 . . . . .                       | 3198 020 43020 |      |  |                |
| 7331 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |  |                |
| 7332 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |  |                |
| 7333 | Transistor BF423 . . . . .                       | 3198 020 43020 |      |  |                |
| 7401 | Transistor PDTO1143ZT. . . . .                   | 9340 547 00215 |      |  |                |

S = Safety Part Be sure to use exact replacement part.

## Model 19PR11C/121 Cabinet Parts

| Model 19PR11C/121 Cabinet Parts |  |                |  |  |
|---------------------------------|--|----------------|--|--|
| S AC01                          | AC Power Cord. . . . .                   | 3135 010 04771 |  |  |
| AC03                            | Cabinet Back . . . . .                   | 3139 124 36351 |  |  |
| AC04                            | Cabinet Front. . . . .                   | 3139 137 82021 |  |  |
| AC05                            | Chassis Guide. . . . .                   | 3139 124 37561 |  |  |
| AC06                            | Control Buttons. . . . .                 | 3139 124 36341 |  |  |
| S AC08                          | CRT A48EJP03X110 . . . . .               | 9301 826 80361 |  |  |
| S AC09                          | Degaussing Coil. . . . .                 | 2422 549 44428 |  |  |
| AC10                            | Degaussing Coil Holder (2 used). . . . . | 3135 013 01641 |  |  |
| AC11                            | Light Guide. . . . .                     | 3139 124 36271 |  |  |
| AC13                            | Owner's Manual . . . . .                 | 3121 235 20031 |  |  |
| AC14                            | Power Button . . . . .                   | 3139 124 34271 |  |  |
| REMOTE                          | Remote Transmitter . . . . .             | 3139 228 86461 |  |  |
| AC16                            | Speaker, 8W, 16 ohm. . . . .             | 2422 264 00407 |  |  |
| S AC18                          | Deflection Yoke. . . . .                 | 3306 133 24791 |  |  |
| AC21                            | Batteries f Remote Transmitter . . . . . | 9299 000 65263 |  |  |
| AC24                            | Degaussing Coil Spring . . . . .         | 3139 121 26231 |  |  |
| AC32                            | Assembly Braid . . . . .                 | 3135 010 07321 |  |  |

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## Main Chassis

|              |   |      |           |        |  |      |     |       |
|--------------|---|------|-----------|--------|--|------|-----|-------|
| Main Chassis |   |      |           | 2413   | 10uF, 20%, 250 Volt, Electrolytic. . .   | 2020 | 012 | 93495 |
| Main Chassis |   |      |           | 2414   | 1000uF, 20%, 16 Volt, Electrolytic . .   | 2020 | 021 | 91049 |
| 0139         | IC-SPRING 7402 . . . . .                | 3139 | 121 24581 | 2416   | 820pF, 10%, 2kV, Ceramic. . . . .        | 2020 | 558 | 90486 |
| 7200         | IC, 2US1 Software Cluster. . . . .      | 9352 | 699 88557 | 2417   | 1000uF, 20%, 16 Volt, Electrolytic . .   | 2020 | 021 | 91049 |
| 0040         | 2 Pin Cinch Cover, (Insert on 2 Pin Cin |      |           | 2418   | 0.01uF., 50 Volt, Ceramic . . . . .      | 3198 | 017 | 01030 |
|              | ch (FRONT)). . . . .                    | 3139 | 124 23601 | 2419   | 1uF., 20%, 50V, Electrolytic . . . . .   | 2020 | 021 | 91147 |
| 0121         | Heatsink, Line . . . . .                | 3139 | 121 26992 | 2420   | 1.0uF., 20%, 50V, Electrolytic . . . .   | 3198 | 025 | 51080 |
| 0122         | Frame, Heatsink. . . . .                | 3139 | 121 26952 | 2421   | 0.047uF., 50 Volt, Ceramic . . . . .     | 3198 | 017 | 24730 |
| 0124         | Heatsink . . . . .                      | 3139 | 121 26941 | 2422   | 470uF, 20%, 16 Volt, Electrolytic. . .   | 2020 | 021 | 91577 |
| 0127         | Socket, Fuse Holder. . . . .            | 3122 | 358 71251 | 2423   | 10uF, 20%, 100V, Electrolytic. . . . .   | 2020 | 021 | 90813 |
| 0137         | Spring . . . . .                        | 3139 | 121 24581 | 2471   | 0.1uF., 10%, 50 Volt, Polyester. . . .   | 3198 | 014 | 01040 |
| 0138         | Spring, IC . . . . .                    | 3104 | 301 22081 | 2472   | 0.1uF., 10%, 50 Volt, Polyester. . . .   | 3198 | 014 | 01040 |
| 0139         | Spring . . . . .                        | 3122 | 121 24786 | 2473   | 100uF, 20%, 50V, Electrolytic. . . . .   | 2020 | 021 | 90587 |
| 0152         | Cable Assembly . . . . .                | 3104 | 301 09421 | 2475   | 470pF., 50 Volt, NP0, Ceramic. . . . .   | 3198 | 016 | 04710 |
| 0211         | 2 Pin Connector. . . . .                | 2422 | 025 16269 | 2476   | 0.22uF., 10%, 50 Volt, Polyester. . . .  | 3198 | 014 | 02240 |
| 0212         | 2 Pin Connector. . . . .                | 2422 | 025 16375 | 2477   | 470pF., 50 Volt, NP0, Ceramic. . . . .   | 3198 | 016 | 04710 |
| 0217         | 3 Pin Connector. . . . .                | 2412 | 020 00725 | S 2500 | 0.47uF, 20%, 275 V, Polypropylene . .    | 2222 | 336 | 29148 |
| 0218         | 2 Pin Board Connector. . . . .          | 2422 | 026 04637 | 2501   | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0220         | 3 Pin Connector. . . . .                | 2422 | 025 04851 | 2502   | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0221         | 4 Pin Connector. . . . .                | 2422 | 025 15503 | 2503   | 220uF, 20%, 200 Volt, Electrolytic . .   | 2020 | 024 | 90557 |
| 0222         | 2 Pin Connector. . . . .                | 2422 | 025 10646 | 2506   | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0232         | Headphone Jack . . . . .                | 2422 | 026 04747 | 2508   | 470pF., 10%, 1KV, Ceramic. . . . .       | 3198 | 019 | 64710 |
| 0243         | 6 Pin Connector. . . . .                | 2422 | 025 04854 | S 2515 | 1500pF, 20%, 250 Volt, Ceramic . . . .   | 2020 | 554 | 90128 |
| 0244         | 3 Pin Connector. . . . .                | 2422 | 025 04851 | 2520   | 0.1uF., 16 Volt, Ceramic . . . . .       | 3198 | 017 | 01040 |
| 0245         | 6 Pin Connector. . . . .                | 2422 | 025 04854 | 2521   | 22uF., 20%, 50V, Electrolytic. . . . .   | 3198 | 025 | 52290 |
| 0246         | 3 Pin Connector. . . . .                | 2412 | 020 00725 | 2522   | 0.1uF., 16 Volt, Ceramic . . . . .       | 3198 | 017 | 01040 |
| 0254         | CRT Socket, 9 Pin, M-Neck. . . . .      | 2422 | 500 80068 | 2523   | 1500pF, 10%, 2kV, Ceramic. . . . .       | 2020 | 558 | 90489 |
| 1000         | Tuner, PLL, ENV56D98G3 . . . . .        | 2422 | 542 90108 | 2525   | 470pF., 50 Volt, Ceramic . . . . .       | 3198 | 017 | 04710 |
| 1002         | SAW Filter, 45.75MHZ . . . . .          | 2422 | 549 44518 | 2526   | 1000pF., 50 Volt, Ceramic. . . . .       | 3198 | 017 | 01020 |
| 1200         | Ceramic Filter, 4.5MHZ . . . . .        | 2422 | 549 40807 | 2527   | 470pF., 50 Volt, Ceramic . . . . .       | 3198 | 017 | 04710 |
| S 1500       | Fuse, 4 Amp, 250 Volt . . . . .         | 2422 | 086 10869 | 2540   | 0.015uF., 50 Volt, Ceramic . . . . .     | 3198 | 017 | 01530 |
| S 1500       | Fuse, 4 A, 250V. . . . .                | 2422 | 086 10914 | 2560   | 1000pF., 10%, 1kV, Ceramic . . . . .     | 3198 | 019 | 61020 |
| S 1515       | Relay, 1 Pin, 12 Volt, 5 Amp . . . . .  | 2422 | 132 07444 | 2561   | 47uF, 20%, 160V, Electrolytic. . . . .   | 2020 | 021 | 91358 |
| 1600         | Tactile Switch . . . . .                | 2422 | 128 02742 | 2562   | 1000pF, 50 Volt, Ceramic. . . . .        | 3198 | 019 | 11020 |
| 1601         | Tactile Switch . . . . .                | 2422 | 128 02742 | 2563   | 0.1uF., 10%, 50 Volt, Polyester. . . . . | 3198 | 014 | 01040 |
| 1602         | Tactile Switch . . . . .                | 2422 | 128 02742 | 2564   | 2200uF, 20%, 16 Volt, Electrolytic . .   | 2020 | 012 | 93057 |
| 1603         | Tactile Switch . . . . .                | 2422 | 128 02742 | 2565   | 470pF., 10%, 1KV, Ceramic. . . . .       | 3198 | 019 | 64710 |
| 1606         | Tactile Switch . . . . .                |      |           |        |  |      |     |       |

S = Safety Part      Be sure to use exact replacement part.

# 19PR11C122 (continued)

|        |  |                |        |  |                |
|--------|--|----------------|--------|--|----------------|
| 3219   | 2.2k, 5%, . . . . .                      | 3198 021 52220 | S 3526 | Power Resistor, 0.15 ohm, 5%, 1W . . . | 3198 012 11570 |
| 3226   | 560 ohm, 5%, . . . . .                   | 3198 021 55610 | S 3527 | Fusible Resistor, 2.2k, 5% . . . . .   | 2306 204 03222 |
| 3232   | 2.2k, 5%, . . . . .                      | 3198 021 52220 | 3528   | 10k, 5%, . . . . .                     | 3198 021 51030 |
| 3235   | 100 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01010 | 3529   | 47k, 5%, . . . . .                     | 3198 021 54730 |
| 3241   | 22k, 5%, . . . . .                       | 3198 021 52230 | 3530   | 4.7k, 5%, . . . . .                    | 3198 021 54720 |
| 3242   | 27k, 5%, . . . . .                       | 3198 021 52730 | 3531   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| 3244   | 820 ohm, 5%, 1/6W, Carbon Film . . . . . | 3198 011 08210 | 3541   | 470 ohm, 5%, . . . . .                 | 3198 021 54710 |
| 3245   | 39k, 5%, . . . . .                       | 3198 021 53930 | 3542   | 1.5k, 5%, . . . . .                    | 3198 021 51520 |
| 3246   | 10k, 5%, . . . . .                       | 3198 021 51030 | 3543   | 82k, 1%, Metal Film . . . . .          | 2322 156 28203 |
| 3247   | 220k, 5%, . . . . .                      | 3198 021 52240 | 3544   | 6.8k, 1%, Metal Film . . . . .         | 2322 156 26802 |
| 3248   | 27k, 5%, . . . . .                       | 3198 021 52730 | 3545   | 82k, 5%, . . . . .                     | 3198 021 58230 |
| 3249   | 820 ohm, 5%, 1/6W, Carbon Film . . . . . | 3198 011 08210 | 3546   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| 3251   | 100 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01010 | S 3547 | Power Resistor, 0.33 ohm, 5%, 1 W . .  | 3198 012 13370 |
| 3254   | 1 Meg, 5%, . . . . .                     | 3198 021 51050 | 3548   | 8.2k, 5%, . . . . .                    | 3198 021 58220 |
| 3256   | 1k, 5%, . . . . .                        | 3198 021 51020 | 3549   | 220 ohm, 5%, 1/6 W, Carbon . . . . .   | 3198 011 02210 |
| 3257   | 10 Meg, 5%, . . . . .                    | 3198 021 51060 | 3552   | 10k, 5%, . . . . .                     | 3198 021 51030 |
| 3258   | 330k, 5%, . . . . .                      | 3198 021 53340 | 3559   | 1k, 5%, . . . . .                      | 3198 021 51020 |
| 3259   | 470k, 5%, . . . . .                      | 3198 021 54740 | 3561   | 100 ohm, 5%, 1/6 W, Carbon . . . . .   | 3198 011 01010 |
| 3311   | 1.5k, 5%, . . . . .                      | 3198 021 51520 | 3562   | 10k, 5%, . . . . .                     | 3198 021 51030 |
| 3312   | 330 ohm 5%, . . . . .                    | 3198 021 53310 | 3563   | 4.7k, 5%, . . . . .                    | 3198 021 54720 |
| 3313   | 10 ohm, 5%, . . . . .                    | 3198 021 51090 | S 3564 | Power Resistor, 4.7 ohm, 5%, 2 W . .   | 3198 012 24780 |
| S 3314 | 18k, 5%, 3W, Metal Film . . . . .        | 2322 195 63183 | S 3565 | Power Resistor, 330 ohm, 5%, 1 W . .   | 3198 012 13310 |
| S 3316 | 68 ohm, 5%, Fusible Resistor . . . . .   | 2306 204 03689 | 3566   | 2.2k, 5%, . . . . .                    | 3198 021 52220 |
| S 3317 | 1.5k, 20%, 1/2W, Carbon Composition. . . | 3198 013 01520 | 3569   | 5.6k, 5%, . . . . .                    | 3198 021 55620 |
| 3321   | 1.5k, 5%, . . . . .                      | 3198 021 51520 | 3580   | 47k, 5%, . . . . .                     | 3198 021 54730 |
| 3322   | 330 ohm 5%, . . . . .                    | 3198 021 53310 | 3603   | 100 ohm, 5%, 1/6 W, Carbon . . . . .   | 3198 011 01010 |
| 3323   | 10 ohm, 5%, . . . . .                    | 3198 021 51090 | 3604   | 100 ohm, 5%, 1/6 W, Carbon . . . . .   | 3198 011 01010 |
| S 3324 | 18k, 5%, 3W, Metal Film . . . . .        | 2322 195 63183 | 3605   | 4.7k, 5%, . . . . .                    | 3198 021 54720 |
| S 3326 | 68 ohm, 5%, Fusible Resistor . . . . .   | 2306 204 03689 | 3606   | 2.2k, 5%, 1/6 W, Carbon. . . . .       | 3198 011 02220 |
| S 3327 | 1.5k, 20%, 1/2W, Carbon Composition. . . | 3198 013 01520 | 3607   | 2.2k, 5%, 1/6 W, Carbon. . . . .       | 3198 011 02220 |
| 3331   | 1.5k, 5%, . . . . .                      | 3198 021 51520 | 3608   | 100 ohm, 5%, 1/6 W, Carbon . . . . .   | 3198 011 01010 |
| 3332   | 330 ohm 5%, . . . . .                    | 3198 021 53310 | 3611   | 100 ohm, 5%, . . . . .                 | 3198 021 51010 |
| 3333   | 10 ohm, 5%, . . . . .                    | 3198 021 51090 | 3614   | 4.7k, 5%, 1/4W, Carbon Film. . . . .   | 3198 011 04720 |
| S 3334 | 18k, 5%, 3W, Metal Film . . . . .        | 2322 195 63183 | 3615   | 10k, 5%, 1/6 W, Carbon . . . . .       | 3198 011 01030 |
| S 3336 | 68 ohm, 5%, Fusible Resistor . . . . .   | 2306 204 03689 | 3617   | 4.7k, 5%, 1/4W, Carbon Film. . . . .   | 3198 011 04720 |
| S 3337 | 1.5k, 20%, 1/2W, Carbon Composition. . . | 3198 013 01520 | 3618   | 6.8k, 5%, 1/6 W, Carbon. . . . .       | 3198 011 06820 |
| S 3341 | 1.5k, 20%, 1/2W, Carbon Composition. . . | 3198 013 01520 | 3619   | 8.2k, 5%, 1/6W, Carbon Film. . . . .   | 3198 011 08220 |
| S 3347 | 220 ohm, 5%, Fusible Resistor. . . . .   | 2306 204 03221 | 3622   | 100 ohm, 5%, . . . . .                 | 3198 021 51010 |
| S 3348 | 1.5k, 20%, 1/2W, Carbon Composition. . . | 3198 013 01520 | 3623   | 4.7k, 5%, . . . . .                    | 3198 021 54720 |
| S 3349 | 1.2 ohm, 5%, Fusible Resistor. . . . .   | 2306 204 03128 | 3624   | 100 ohm, 5%, 1/6 W, Carbon . . . . .   | 3198 011 01010 |
| S 3350 | 1.2 ohm, 5%, Fusible Resistor. . . . .   | 2306 204 03128 | 3625   | 100 ohm, 5%, 1/6 W, Carbon . . . . .   | 3198 011 01010 |
| 3401   | 330k, 5%, 1/2W, Metalized Glass. . . . . | 2322 242 13334 | 3626   | 4.7k, 5%, . . . . .                    | 3198 021 54720 |
| 3402   | 18k, 5%, 1/6W, Carbon. . . . .           | 3198 011 01830 | 3627   | 4.7k, 5%, . . . . .                    | 3198 021 54720 |
| S 3403 | Power Resistor, 22 ohm, 5%, 3 W. . . . . | 3198 012 32290 | 3628   | 10k, 5%, . . . . .                     | 3198 021 51030 |
| S 3404 | Fusible Resistor, 6.8 ohm, 5%. . . . .   | 2306 204 03688 | 3630   | 2.2k, 5%, . . . . .                    | 3198 021 52220 |
| 3406   | 10k, 5%, 1/6 W, Carbon . . . . .         | 3198 011 01030 | 3632   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| S 3407 | 220 ohm, 5%, 3W, Metal Film. . . . .     | 2322 195 63221 | 3636   | 100 ohm, 5%, . . . . .                 | 3198 021 51010 |
| 3408   | 1k, 5%, 1/6 W, Carbon. . . . .           | 3198 011 01020 | 3681   | 390 ohm, 5%, . . . . .                 | 3198 021 53910 |
| 3410   | 33k, 5%, . . . . .                       | 3198 021 53330 | 3682   | 3.3k, 5%, . . . . .                    | 3198 021 53320 |
| S 3411 | Fusible Resistor, 10 ohm, 5% . . . . .   | 2306 204 03109 | 3683   | 390 ohm, 5%, . . . . .                 | 3198 021 53910 |
| 3412   | 3.3k, 1%, Metal Film . . . . .           | 2322 156 23302 | 3684   | 560 ohm, 5%, . . . . .                 | 3198 021 55610 |
| 3413   | 10k, 5%, . . . . .                       | 3198 021 51030 | 3685   | 560 ohm, 5%, . . . . .                 | 3198 021 55610 |
| 3414   | 1.5k, 1%, Metal Film . . . . .           | 2322 156 21502 | 3686   | 1.5k, 5%, . . . . .                    | 3198 021 51520 |
| 3415   | 1k, 5%, 1/6 W, Carbon. . . . .           | 3198 011 01020 | 3691   | 330 ohm 5%, . . . . .                  | 3198 021 53310 |
| S 3416 | 3.9 ohm, 5%, Fusible Resistor. . . . .   | 2306 207 03398 | 3693   | 220 ohm 5%, . . . . .                  | 3198 021 52210 |
| 3417   | 33k, 5%, 1/6W, Carbon. . . . .           | 3198 011 03330 | 3694   | 4.7k, 5%, . . . . .                    | 3198 021 54720 |
| 3418   | 33k, 5%, . . . . .                       | 3198 021 53330 | 3901   | 1k, 5%, . . . . .                      | 3198 021 51020 |
| 3419   | 6.8k, 5%, . . . . .                      | 3198 021 56820 | 3902   | 3.3k, 5%, . . . . .                    | 3198 021 53320 |
| 3420   | 33k, 5%, . . . . .                       | 3198 021 53330 | 3903   | 8.2k, 5%, . . . . .                    | 3198 021 58220 |
| S 3421 | Power Resistor, 6.8 ohm, 5%, 2 W . . . . | 3198 012 26880 | 3904   | 10k, 5%, . . . . .                     | 3198 021 51030 |
| 3422   | 100 ohm, 5%, . . . . .                   | 3198 021 51010 | 3907   | 8.2k, 5%, . . . . .                    | 3198 021 58220 |
| 3423   | 820 ohm, 5%, . . . . .                   | 3198 021 58210 | 3941   | 100 ohm, 5%, . . . . .                 | 3198 021 51010 |
| 3424   | 100 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01010 | 3942   | 3.9k, 5%, . . . . .                    | 3198 021 53920 |
| 3425   | 15k, 5%, 1/6 W, Carbon . . . . .         | 3198 011 01530 | 3943   | 2.7k, 5%, . . . . .                    | 3198 021 52720 |
| 3426   | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 3944   | 2.7k, 5%, . . . . .                    | 3198 021 52720 |
| 3427   | 12k, 5%, 1/6 W, Carbon . . . . .         | 3198 011 01230 | 3945   | 1k, 5%, . . . . .                      | 3198 021 51020 |
| S 3428 | 39 ohm, 5%, Fusible Resistor . . . . .   | 2306 207 03399 | 3946   | 18k, 5%, . . . . .                     | 3198 021 51830 |
| 3431   | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 3947   | 330 ohm 5%, . . . . .                  | 3198 021 53310 |
| 3432   | 22 ohm, 5%, 1/6W, Carbon . . . . .       | 3198 011 02290 | 3948   | 47k, 5%, . . . . .                     | 3198 021 54730 |
| 3471   | 4.7 ohm, 1%, 0.6W, Metal Film. . . . .   | 2322 156 24708 | 3949   | 15k, 5%, . . . . .                     | 3198 021 51530 |
| 3472   | 4.7 ohm, 1%, 0.6W, Metal Film. . . . .   | 2322 156 24708 | 3950   | 560 ohm, 5%, . . . . .                 | 3198 021 55610 |
| 3473   | 2.2k, 1%, Metal Film . . . . .           | 2322 156 22202 | 3951   | 390 ohm, 5%, . . . . .                 | 3198 021 53910 |
| 3474   | 1k, 5%, 1/6 W, Carbon. . . . .           | 3198 011 01020 | 3981   | 120 ohm, 5%, 1/6W, Carbon Film . . . . | 3198 011 01210 |
| 3475   | 2.2k, 1%, Metal Film . . . . .           | 2322 156 22202 | 3982   | 120 ohm, 5%, 1/6W, Carbon Film . . . . | 3198 011 01210 |
| S 3476 | 1.5 ohm, 5%, Fusible resistor. . . . .   | 2306 204 03158 | 4001   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| 3477   | 220 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 02210 | 4002   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| 3478   | 220 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 02210 | 4181   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| 3479   | 1k, 5%, 1/6 W, Carbon. . . . .           | 3198 011 01020 | 4212   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| S 3500 | 3.3 Meg ohm, 5%, Metalized Glass . . . . | 2322 242 13335 | 4216   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| S 3501 | 3.3 Meg ohm, 5%, Metalized Glass . . . . | 2322 242 13335 | 4217   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| S 3502 | NTC, 4.7 ohm, 20%, 3 W . . . . .         | 2122 612 00055 | 4410   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| S 3503 | PTC, 10 ohm, 30%, 120 Volt . . . . .     | 2120 661 00026 | 4501   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| 3506   | 220 ohm, 20%, 1/2 W, Carbon. . . . .     | 3198 013 02210 | 4613   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| S 3507 | 300 V Surge Protector. . . . .           | 2422 549 43073 | 4614   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| 3508   | 1.5 Meg, 5%, Metalized Glass . . . . .   | 2322 242 13155 | 4615   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| 3519   | 270 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 02710 | 4616   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| 3520   | 1.2k, 5%, . . . . .                      | 3198 021 51220 | 4617   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| 3521   | 4.7 ohm, 5%, 1/6W, Carbon. . . . .       | 3198 011 04780 | 4618   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| 3522   | 330k, 5%, . . . . .                      | 3198 021 53340 | 4619   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| S 3523 | Fusible Resistor, 100 ohm, 5%. . . . .   | 2306 204 03101 | 4622   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| 3524   | 56k, 5%, . . . . .                       | 3198 021 55630 | 4623   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| 3525   | 1k, 5%, . . . . .                        | 3198 021 51020 | 4691   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |

S = Safety Part Be sure to use exact replacement part.

# 19PR11C122 (continued)

|        |   |                |        |  |                |
|--------|---|----------------|--------|--|----------------|
| 4692   | Jumper, 0.05 ohm . . . . .                        | 3198 021 90020 | 7331   | Transistor, Signal, BF422. . . . .       | 3198 020 43010 |
| 4693   | Jumper, 0.05 ohm . . . . .                        | 3198 021 90020 | 7332   | Transistor, Signal, BF422. . . . .       | 3198 020 43010 |
| 4807   | Jumper, 0.05 ohm . . . . .                        | 3198 021 90020 | 7333   | Transistor, Signal, BF423 . . . . .      | 3198 020 43020 |
| 4811   | Jumper, 0.05 ohm . . . . .                        | 3198 021 90020 | 7401   | Transistor, Signal, PDC143ZT. . . . .    | 9340 547 00215 |
| 4812   | Jumper, 0.05 ohm . . . . .                        | 3198 021 90020 | 7402   | Power Transistor, BUT11APX-1200. . . . . | 9340 563 21127 |
| 4813   | Jumper, 0.05 ohm . . . . .                        | 3198 021 90020 | 7403   | Transistor, Signal, BC337-25. . . . .    | 3198 020 43530 |
| 4814   | Jumper, 0.05 ohm . . . . .                        | 3198 021 90020 | 7404   | Transistor, Signal, BC636. . . . .       | 9332 219 50126 |
| 4901   | Jumper, 0.05 ohm . . . . .                        | 3198 021 90020 | 7405   | Transistor, Signal, BC857B . . . . .     | 3198 010 42150 |
| 4911   | Jumper, 0.05 ohm . . . . .                        | 3198 021 90020 | 7406   | Transistor, Signal, BC857B . . . . .     | 3198 010 42150 |
| 4982   | Jumper, 0.05 ohm . . . . .                        | 3198 021 90020 | S 7407 | Transistor, Power, BD135-16. . . . .     | 3198 020 41190 |
| 5001   | Fixed Inductor 5.6uH., 10% . . . . .              | 3198 018 25680 | S 7408 | Transistor, Power, BD135-16. . . . .     | 3198 020 41190 |
| 5002   | Fixed Inductor, 0.82uH., 10% . . . . .            | 3198 018 18270 | 7409   | Transistor, Signal, BC857B . . . . .     | 3198 010 42150 |
| 5201   | Fixed Inductor, 6.8uH., 5% . . . . .              | 3198 018 16880 | 7471   | IC, TDA9302H . . . . .                   | 9322 088 25682 |
| 5202   | Fixed Inductor, 10uH., 10% . . . . .              | 3198 018 21090 | S 7515 | Opto Coupler TCET1103. . . . .           | 9322 140 14667 |
| 5241   | Fixed Inductor, 10uH., 10% . . . . .              | 3198 018 21090 | 7520   | IC, TEA1507P/N1. . . . .                 | 9352 673 56112 |
| 5242   | Fixed Inductor, 10uH., 5% . . . . .               | 3198 018 11090 | 7521   | FET, Power, STP5NC50FP. . . . .          | 9322 160 71687 |
| 5341   | Inductor SPT0508 22uH., 5% . . . . .              | 2422 535 95365 | 7522   | Transistor, Signal, BC847B . . . . .     | 3198 010 42030 |
| 5342   | Fixed Inductor Bead, 100MHz, 50 ohm. . . . .      | 3198 018 90010 | 7540   | Transistor, Signal, BC547B . . . . .     | 3198 020 40030 |
| 5408   | Fixed Inductor, 27uH., 5%, SPT0508 . . . . .      | 2422 535 95366 | 7541   | Transistor, Signal, PDC114ET. . . . .    | 9340 310 10215 |
| 5410   | Fixed Inductor, 27uH., 5%, SPT0508 . . . . .      | 2422 535 95366 | 7542   | Transistor, Signal, BC857B . . . . .     | 3198 010 42150 |
| 5444   | Transformer, Signal Driver, SC10009-03 . . . . .  | 2422 531 02446 | 7560   | IC, LE33CZ . . . . .                     | 9322 106 11676 |
| 5445   | Transformer, LOT, MSL0T4 . . . . .                | 3128 138 21541 | 7561   | Transistor, Signal, PDC143ZT. . . . .    | 9340 547 00215 |
| S 5502 | AC Filter, 5MHz., 1 Amp. . . . .                  | 2422 549 44284 | 7580   | Transistor, Signal, BC857B . . . . .     | 3198 010 42150 |
| 5520   | Transformer, SMT Layer, SS28011-04 . . . . .      | 2422 531 02458 | 7602   | IC, M24C16-WBN6. . . . .                 | 9322 147 25682 |
| 5521   | Fixed Inductor Bead, 100MHz, 50 ohm. . . . .      | 3198 018 90010 | 7902   | IC, AN7523N. . . . .                     | 9322 158 66667 |
| 5560   | Fixed Inductor Bead, 100MHz, 50 ohm. . . . .      | 3198 018 90010 | 7941   | Transistor, Signal, BC847B . . . . .     | 3198 010 42030 |
| 5561   | Fixed Inductor 27uH., 10% . . . . .               | 3198 018 22790 | 7942   | Transistor, Signal, BC847B . . . . .     | 3198 010 42030 |
| 5562   | Fixed Inductor Bead, 100MHz, 50 ohm. . . . .      | 3198 018 90010 | 7943   | Transistor, Signal, BC847B . . . . .     | 3198 010 42030 |
| 5563   | Fixed Inductor Bead, 100MHz, 50 ohm. . . . .      | 3198 018 90010 | 9001   | Jumper . . . . .                         | 3198 036 90010 |
| 5602   | Fixed Inductor, 5.6uH., 5% . . . . .              | 3198 018 15680 | 9171   | Jumper . . . . .                         | 3198 036 90010 |
| 5603   | Fixed Inductor, 5.6uH., 5% . . . . .              | 3198 018 15680 | 9172   | Jumper . . . . .                         | 3198 036 90010 |
| 5604   | Fixed Inductor, 5.6uH., 5% . . . . .              | 3198 018 15680 | 9173   | Jumper . . . . .                         | 3198 036 90010 |
| 5833   | Jumper . . . . .                                  | 3198 036 90010 | 9174   | Jumper . . . . .                         | 3198 036 90010 |
| 6001   | Diode, Regulator, BZX79-C33, 33 Volt . . . . .    | 3198 010 23390 | 9175   | Jumper . . . . .                         | 3198 036 90010 |
| 6201   | Diode, Signal, BAS216. . . . .                    | 9340 255 30115 | 9177   | Jumper . . . . .                         | 3198 036 90010 |
| 6202   | Diode, Signal, BAS216. . . . .                    | 9340 255 30115 | 9181   | Jumper . . . . .                         | 3198 036 90010 |
| 6206   | Diode, Regulator, BZX284-C6V8, 6.8 Volt . . . . . | 9340 386 40115 | 9182   | Jumper . . . . .                         | 3198 036 90010 |
| 6241   | Diode, Regulator, BZX284-C6V8, 6.8 Volt . . . . . | 9340 386 40115 | 9183   | Jumper . . . . .                         | 3198 036 90010 |
| 6311   | Diode, Signal, BAV21 . . . . .                    | 3198 010 10070 | 9191   | Jumper . . . . .                         | 3198 036 90010 |
| 6321   | Diode, Signal, BAV21 . . . . .                    | 3198 010 10070 | 9192   | Jumper . . . . .                         | 3198 036 90010 |
| 6331   | Diode, Signal, BAV21 . . . . .                    | 3198 010 10070 | 9193   | Jumper . . . . .                         | 3198 036 90010 |
| 6341   | Diode, Signal, BAV21 . . . . .                    | 3198 010 10070 | 9301   | Jumper . . . . .                         | 3198 036 90010 |
| 6342   | Diode, Signal, 1SS135. . . . .                    | 9322 038 00673 | 9302   | Jumper . . . . .                         | 3198 036 90010 |
| 6343   | Diode, Regulator, BZX284-C, 8.2 Volt . . . . .    | 9340 386 60115 | 9303   | Jumper . . . . .                         | 3198 036 90010 |
| 6401   | Diode, Signal, BAV21 . . . . .                    | 3198 010 10070 | 9304   | Jumper . . . . .                         | 3198 036 90010 |
| 6402   | Diode, Rectifier, BYV27-200. . . . .              | 9322 126 72673 | 9402   | Jumper . . . . .                         | 3198 036 90010 |
| 6404   | Diode, Rectifier, BYD33M . . . . .                | 9337 410 30133 | 9403   | Jumper . . . . .                         | 3198 036 90010 |
| 6405   | Diode, Rectifier, BYD 33D. . . . .                | 9337 234 00133 | 9404   | Jumper . . . . .                         | 3198 036 90010 |
| 6406   | Diode, Signal, BAV70 . . . . .                    | 9331 849 10215 | 9420   | Jumper . . . . .                         | 3198 036 90010 |
| 6407   | Diode, Signal, BAS216. . . . .                    | 9340 255 30115 | 9421   | Jumper . . . . .                         | 3198 036 90010 |
| 6408   | Diode, Signal, BAS216. . . . .                    | 9340 255 30115 | 9425   | Jumper . . . . .                         | 3198 036 90010 |
| 6409   | Diode, Rectifier, BYD 33D. . . . .                | 9337 234 00133 | 9426   | Jumper . . . . .                         | 3198 036 90010 |
| 6410   | Diode, Rectifier, BYD 33D. . . . .                | 9337 234 00133 | 9427   | Jumper . . . . .                         | 3198 036 90010 |
| 6413   | Diode, Signal, 1N4148. . . . .                    | 3198 010 10010 | 9428   | Jumper . . . . .                         | 3198 036 90010 |
| 6414   | Diode, Regulator, BZX79-B6V2, 6.2 Volt . . . . .  | 9331 668 30133 | 9430   | Jumper . . . . .                         | 3198 036 90010 |
| 6415   | Diode, Signal, BAS216. . . . .                    | 9340 255 30115 | 9431   | Jumper . . . . .                         | 3198 036 90010 |
| 6419   | Diode, Regulator, BZX79-C5V6, 5.6 Volt . . . . .  | 9331 177 30133 | 9432   | Jumper . . . . .                         | 3198 036 90010 |
| 6420   | Diode, Regulator, BZX79-C9V1, 9.1 Volt . . . . .  | 9331 177 80133 | 9433   | Jumper . . . . .                         | 3198 036 90010 |
| 6423   | Diode, Rectifier, BYD 33D. . . . .                | 9337 234 00133 | 9434   | Jumper . . . . .                         | 3198 036 90010 |
| 6471   | Diode, Rectifier, BYD 33D. . . . .                | 9337 234 00133 | 9471   | Jumper . . . . .                         | 3198 036 90010 |
| 6500   | Diode, Rectifier, 1N5062 . . . . .                | 3198 010 10120 | 9500   | Jumper . . . . .                         | 3198 036 90010 |
| 6501   | Diode, Rectifier, 1N5062 . . . . .                | 3198 010 10120 | 9501   | Jumper . . . . .                         | 3198 036 90010 |
| 6502   | Diode, Rectifier, 1N5062 . . . . .                | 3198 010 10120 | 9504   | Jumper . . . . .                         | 3198 036 90010 |
| 6503   | Diode, Rectifier, 1N5062 . . . . .                | 3198 010 10120 | 9506   | Jumper . . . . .                         | 3198 036 90010 |
| 6520   | Diode, Rectifier, BYD 33D. . . . .                | 9337 234 00133 | 9507   | Jumper . . . . .                         | 3198 036 90010 |
| 6523   | Diode, Signal, 1N4148. . . . .                    | 3198 010 10010 | 9508   | Jumper . . . . .                         | 3198 036 90010 |
| 6540   | Diode, Regulator, BZX79-B6V2, 6.2 Volt . . . . .  | 9331 668 30133 | 9509   | Jumper . . . . .                         | 3198 036 90010 |
| 6541   | Diode, Regulator, BZX79-C10, 10 Volt . . . . .    | 3198 010 21090 | 9510   | Jumper . . . . .                         | 3198 036 90010 |
| 6560   | Diode, Rectifier, BYW76-RAS15/10. . . . .         | 9322 127 32682 | 9511   | Jumper . . . . .                         | 3198 036 90010 |
| 6561   | Diode, Rectifier, BYW76-RAS15/10. . . . .         | 9322 127 32682 | 9512   | Jumper . . . . .                         | 3198 036 90010 |
| 6562   | Diode, Rectifier, EGP20DL-5100 . . . . .          | 9322 164 42682 | 9513   | Jumper . . . . .                         | 3198 036 90010 |
| 6563   | Diode, Signal, BAS216. . . . .                    | 9340 255 30115 | 9514   | Jumper . . . . .                         | 3198 036 90010 |
| 6565   | Diode, Signal, BAV70 . . . . .                    | 9331 849 10215 | 9517   | Jumper . . . . .                         | 3198 036 90010 |
| 6566   | Diode, Signal, BAS216. . . . .                    | 9340 255 30115 | 9520   | Jumper . . . . .                         | 3198 036 90010 |
| 6569   | Diode, Signal, BAS216. . . . .                    | 9340 255 30115 | 9521   | Jumper . . . . .                         | 3198 036 90010 |
| 6570   | Diode, Regulator, BZX384-C, 6.8 Volt . . . . .    | 3198 020 56880 | 9522   | Jumper . . . . .                         | 3198 036 90010 |
| 6580   | Diode, Signal, BAS216. . . . .                    | 9340 255 30115 | 9523   | Jumper . . . . .                         | 3198 036 90010 |
| 6581   | Diode, Signal, BAS216. . . . .                    | 9340 255 30115 | 9524   | Jumper . . . . .                         | 3198 036 90010 |
| 6681   | Diode, Signal, BAT85 . . . . .                    | 9336 247 60133 | 9610   | Jumper . . . . .                         | 3198 036 90010 |
| 6691   | LED, VS LTL-10224WHCR . . . . .                   | 9322 050 99682 | 9611   | Jumper . . . . .                         | 3198 036 90010 |
| 6692   | IR Receiver, TSOP1836UH3VL . . . . .              | 9322 127 54667 | 9612   | Jumper . . . . .                         | 3198 036 90010 |
| 6901   | Jumper, 0.05 ohm . . . . .                        | 3198 021 90020 | 9613   | Jumper . . . . .                         | 3198 036 90010 |
| 7200   | IC, TDA9587H/N1/3/0482 . . . . .                  | 9352 699 88557 | 9614   | Jumper . . . . .                         | 3198 036 90010 |
| 7201   | Transistor, Signal, BC847B . . . . .              | 3198 010 42030 | 9615   | Jumper . . . . .                         | 3198 036 90010 |
| 7204   | Transistor, Signal, BC857B . . . . .              | 3198 010 42150 | 9616   | Jumper . . . . .                         | 3198 036 90010 |
| 7241   | Transistor, Signal, PDA114ET. . . . .             | 3198 010 44010 | 9617   | Jumper . . . . .                         | 3198 036 90010 |
| 7311   | Transistor, Signal, BF422. . . . .                | 3198 020 43010 | 9619   | Jumper . . . . .                         | 3198 036 90010 |
| 7312   | Transistor, Signal, BF422. . . . .                | 3198 020 43010 | 9620   | Jumper . . . . .                         | 3198 036 90010 |
| 7313   | Transistor, Signal, BF423 . . . . .               | 3198 020 43020 | 9621   | Jumper . . . . .                         | 3198 036 90010 |
| 7321   | Transistor, Signal, BF422. . . . .                | 3198 020 43010 | 9622   | Jumper . . . . .                         | 3198 036 90010 |
| 7322   | Transistor, Signal, BF422. . . . .                | 3198 020 43010 | 9623   | Jumper . . . . .                         | 3198 036 90010 |
| 7323   | Transistor, Signal, BF423 . . . . .               | 3198 020 43020 | 9624   | Jumper . . . . .                         | 3198 036 90010 |

S = Safety Part Be sure to use exact replacement part.

## 19PR11C122 (continued)

|      |        |                |
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| 9625 | Jumper | 3198 036 90010 |
| 9626 | Jumper | 3198 036 90010 |
| 9627 | Jumper | 3198 036 90010 |
| 9628 | Jumper | 3198 036 90010 |
| 9629 | Jumper | 3198 036 90010 |
| 9630 | Jumper | 3198 036 90010 |
| 9631 | Jumper | 3198 036 90010 |
| 9632 | Jumper | 3198 036 90010 |
| 9633 | Jumper | 3198 036 90010 |
| 9634 | Jumper | 3198 036 90010 |
| 9635 | Jumper | 3198 036 90010 |
| 9636 | Jumper | 3198 036 90010 |
| 9637 | Jumper | 3198 036 90010 |
| 9638 | Jumper | 3198 036 90010 |
| 9639 | Jumper | 3198 036 90010 |
| 9640 | Jumper | 3198 036 90010 |
| 9641 | Jumper | 3198 036 90010 |
| 9642 | Jumper | 3198 036 90010 |
| 9643 | Jumper | 3198 036 90010 |
| 9644 | Jumper | 3198 036 90010 |
| 9645 | Jumper | 3198 036 90010 |
| 9646 | Jumper | 3198 036 90010 |
| 9650 | Jumper | 3198 036 90010 |
| 9653 | Jumper | 3198 036 90010 |
| 9654 | Jumper | 3198 036 90010 |
| 9655 | Jumper | 3198 036 90010 |
| 9656 | Jumper | 3198 036 90010 |
| 9657 | Jumper | 3198 036 90010 |
| 9658 | Jumper | 3198 036 90010 |
| 9659 | Jumper | 3198 036 90010 |
| 9660 | Jumper | 3198 036 90010 |
| 9661 | Jumper | 3198 036 90010 |
| 9662 | Jumper | 3198 036 90010 |
| 9663 | Jumper | 3198 036 90010 |
| 9664 | Jumper | 3198 036 90010 |
| 9665 | Jumper | 3198 036 90010 |
| 9666 | Jumper | 3198 036 90010 |
| 9668 | Jumper | 3198 036 90010 |
| 9669 | Jumper | 3198 036 90010 |
| 9670 | Jumper | 3198 036 90010 |
| 9672 | Jumper | 3198 036 90010 |
| 9673 | Jumper | 3198 036 90010 |
| 9674 | Jumper | 3198 036 90010 |
| 9675 | Jumper | 3198 036 90010 |
| 9676 | Jumper | 3198 036 90010 |
| 9678 | Jumper | 3198 036 90010 |
| 9679 | Jumper | 3198 036 90010 |
| 9680 | Jumper | 3198 036 90010 |
| 9682 | Jumper | 3198 036 90010 |
| 9683 | Jumper | 3198 036 90010 |
| 9684 | Jumper | 3198 036 90010 |
| 9685 | Jumper | 3198 036 90010 |
| 9686 | Jumper | 3198 036 90010 |
| 9687 | Jumper | 3198 036 90010 |
| 9688 | Jumper | 3198 036 90010 |
| 9689 | Jumper | 3198 036 90010 |
| 9690 | Jumper | 3198 036 90010 |
| 9691 | Jumper | 3198 036 90010 |
| 9692 | Jumper | 3198 036 90010 |
| 9694 | Jumper | 3198 036 90010 |
| 9695 | Jumper | 3198 036 90010 |
| 9697 | Jumper | 3198 036 90010 |
| 9698 | Jumper | 3198 036 90010 |
| 9699 | Jumper | 3198 036 90010 |
| 9811 | Jumper | 3198 036 90010 |
| 9812 | Jumper | 3198 036 90010 |
| 9813 | Jumper | 3198 036 90010 |
| 9814 | Jumper | 3198 036 90010 |
| 9815 | Jumper | 3198 036 90010 |
| 9816 | Jumper | 3198 036 90010 |
| 9817 | Jumper | 3198 036 90010 |
| 9818 | Jumper | 3198 036 90010 |
| 9820 | Jumper | 3198 036 90010 |
| 9821 | Jumper | 3198 036 90010 |
| 9822 | Jumper | 3198 036 90010 |
| 9824 | Jumper | 3198 036 90010 |
| 9825 | Jumper | 3198 036 90010 |
| 9826 | Jumper | 3198 036 90010 |
| 9827 | Jumper | 3198 036 90010 |
| 9828 | Jumper | 3198 036 90010 |
| 9829 | Jumper | 3198 036 90010 |
| 9830 | Jumper | 3198 036 90010 |
| 9832 | Jumper | 3198 036 90010 |
| 9911 | Jumper | 3198 036 90010 |
| 9912 | Jumper | 3198 036 90010 |
| 9915 | Jumper | 3198 036 90010 |
| 9916 | Jumper | 3198 036 90010 |
| 9917 | Jumper | 3198 036 90010 |
| 9921 | Jumper | 3198 036 90010 |
| 9982 | Jumper | 3198 036 90010 |
| 9991 | Jumper | 3198 036 90010 |
| 9993 | Jumper | 3198 036 90010 |

|      |              |                |
|------|--------------|----------------|
| 9994 | Jumper       | 3198 036 90010 |
| 9996 | Jumper       | 3198 036 90010 |
| 9997 | Jumper       | 3198 036 90010 |
| 9998 | Jumper       | 3198 036 90010 |
| CBA  | Main Chassis | 3139 137 21041 |

### Model 19PR11C/122 Cabinet Parts

| Model 19PR11C/122 Cabinet Parts |   |                |
|---------------------------------|---|----------------|
| S AC01                          | AC Power Cord                                       | 3135 010 04771 |
| AC03                            | Cabinet, Back                                       | 3139 124 36351 |
| AC04                            | Cabinet, Front                                      | 3139 137 82021 |
| AC05                            | Chassis Guide                                       | 3139 124 37561 |
| AC06                            | Control Knobs                                       | 3139 124 36341 |
| S AC08                          | CRT, A48JLL40X46(M)                                 | 9322 131 82682 |
| S AC09                          | Degaussing Coil, 19"                                | 2422 549 44428 |
| AC10                            | Degaussing Coil Holder                              | 3135 013 01641 |
| AC11                            | Light Guide   | 3139 124 36271 |
| AC12                            | Nameplate   | 3139 120 01281 |
| AC13                            | Owner's Manual                                      | 3121 235 20031 |
| AC14                            | Mains Knob  | 3139 124 34271 |
| AC16                            | Speaker, 16 ohm, 8W, YD77-16SX11                    | 2422 264 00407 |
| S AC18                          | ITC = Integrated Tube Component, CRT & Yoke Pre-Set | 0000 000 00ITC |
| AC21                            | Battery, Zinc, 1.5V, 2-Pk.                          | 9299 000 65263 |
| AC24                            | Spring, Braid Tension                               | 3139 121 26231 |
| AC32                            | Assembly Braid, 19"                                 | 3135 010 07321 |
| AC38                            | Speaker Clip  | 3139 124 32931 |
| REMOTE                          | Remote Transmitter                                  | 3139 228 86462 |

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## Main Chassis

|              |   |      |           |      |  |      |     |       |
|--------------|---|------|-----------|------|--|------|-----|-------|
| Main Chassis |   |      |           | 2423 | 10uF., 20%, 100V, Electrolytic                   | 2020 | 021 | 90813 |
| 0127         | 2 Pin Fuse Socket                                 | 3122 | 358 71251 | 2471 | 0.1uF., 10%, 50V, Metalized Polyester            | 3198 | 014 | 01040 |
| 0138         | IC-SPRING FOR ITEM 7471 (IC TDA9302H)             | 3104 | 301 22081 | 2472 | 0.1uF., 10%, 50V, Metalized Polyester            | 3198 | 014 | 01040 |
| 0139         | IC-SPRING 7402                                    | 3139 | 121 24581 | 2473 | 100uF., 20%, 50V, Electrolytic                   | 2020 | 021 | 90587 |
| 0211         | 2 Pin Connector (AC Input Plug)                   | 2422 | 025 16269 | 2475 | 470pF., 50V, Ceramic                             | 3198 | 016 | 04710 |
| 0212         | 2 Pin Connector (Degaussing Plug (RED))           | 2422 | 025 16375 | 2476 | 0.22uF., 10%, 50V, Metalized Polyester           | 3198 | 014 | 02240 |
| 0217         | 3 Pin Connector                                   | 2412 | 020 00725 | 2477 | 470pF., 50V, Ceramic                             | 3198 | 016 | 04710 |
| 0218         | 2 Pin Connector                                   | 2422 | 026 04637 | 2500 | 0.47uF., 20%, 275V, Metalized Polypropyl<br>ene. | 2022 | 330 | 00018 |
| 0220         | 3 Pin Connector                                   | 2422 | 025 04851 | 2501 | 2200pF., 1kV, Ceramic                            | 3198 | 019 | 52220 |
| 0221         | 6 Pin Connector                                   | 2422 | 025 15503 | 2502 | 2200pF., 1kV, Ceramic                            | 3198 | 019 | 52220 |
| 0222         | 2 Pin Connector                                   | 2422 | 025 10646 | 2503 | 220uF., 20%, 200V, Electrolytic                  | 2020 | 024 | 90557 |
| 0232         | Headphone Jack                                    | 2422 | 026 04747 | 2504 | 2200pF., 1kV, Ceramic                            | 3198 | 019 | 52220 |
| 0243         | 6 Pin Connector                                   | 2422 | 025 04854 | 2506 | 2200pF., 1kV, Ceramic                            | 3198 | 019 | 52220 |
| 0244         | 3 Pin Connector                                   | 2422 | 025 04851 | 2508 | 470pF., 1kV, 10%, Ceramic                        | 3198 | 019 | 64710 |
| 0245         | 6 Pin Connector                                   | 2422 | 025 04854 | 2515 | 1500pF., 250V, 20%, Ceramic                      | 2020 | 554 | 90170 |
| 0246         | 3 Pin Connector                                   | 2412 | 020 00725 | 2520 | 0.1uF., 16V, Ceramic                             | 3198 | 017 | 01040 |
| 0254         | 9 Pin CRT Socket (N-NECK)                         | 2422 | 500 80067 | 2521 | 22uF., 20%, 50V, Electrolytic                    | 3198 | 025 | 52290 |
| 1000         | Tuner V+U PLL F ENV56D98G3                        | 2422 | 542 90108 | 2522 | 0.1uF., 16V, Ceramic                             | 3198 | 017 | 01040 |
| 1002         | 45.75 MHz Saw Filter F072TPL-A                    | 2422 | 549 44327 | 2523 | 1500pF., 2kV, 10%, Ceramic                       | 2020 | 558 | 90489 |
| 1200         | 4.5MHz Ceramic Filter, TPS*MB.                    | 2422 | 549 40807 | 2525 | 470pF., 50V, Ceramic                             | 3198 | 017 | 04710 |
| 1500         | 5 Amp, 250V, Fuse (5X20)                          | 2422 | 086 10905 | 2526 | 0.001uF., 50V, Ceramic                           | 3198 | 017 | 01020 |
| 1515         | 5 Amp, 12V, 1 Pin Relay, G5PA-1.                  | 2422 | 132 07444 | 2527 | 470pF., 50V, Ceramic                             | 3198 | 017 | 04710 |
| 1600         | Tact Switch.                                      | 2422 | 128 02742 | 2540 | 0.015uF., 50V, Ceramic                           | 3198 | 017 | 01530 |
| 1601         | Tact Switch.                                      | 2422 | 128 02742 | 2560 | 1000pF., 1kV, 10%, Ceramic                       | 3198 | 019 | 61020 |
| 1602         | Tact Switch.                                      | 2422 | 128 02742 | 2561 | 47uF., 20%, 160V, Electrolytic                   | 2020 | 021 | 91358 |
| 1603         | Tact Switch.                                      | 2422 | 128 02742 | 2562 | 1000pF., 50V, Ceramic                            | 3198 | 019 | 11020 |
| 1606         | Tact Switch.                                      | 2422 | 128 02742 | 2563 | 0.1uF., 10%, 50V, Metalized Polyester            | 3198 | 014 | 01040 |
| 1660         | 12MHz, Crystal Resonator, HC49/U A                | 2422 | 543 01203 | 2564 | 2200uF., 20%, 16V, Electrolytic                  | 2020 | 012 | 93057 |
| 2004         | 0.047uF., 25V, Ceramic                            | 3198 | 023 04730 | 2565 | 470pF., 1kV, 10%, Ceramic                        | 3198 | 019 | 64710 |
| 2005         | 10uF., 20%, 50V, Electrolytic                     | 3198 | 025 51090 | 2567 | 47uF., 20%, 25V, Electrolytic                    | 3198 | 025 | 34790 |
| 2006         | 470uF., 20%, 16V, Electrolytic                    | 3198 | 025 24710 | 2568 | 1uF., 20%, 50V, Electrolytic                     | 3198 | 025 | 51080 |
| 2007         | 0.1uF., 25V, Ceramic                              | 3198 | 023 21040 | 2569 | 470pF., 50V, Ceramic                             | 3198 | 017 | 04710 |
| 2008         | 100uF., 20%, 25V, Electrolytic                    | 3198 | 025 31010 | 2580 | 47uF., 20%, 25V, Electrolytic                    | 3198 | 025 | 34790 |
| 2009         | 0.022uF., 50V, Ceramic                            | 3198 | 017 02230 | 2601 | 0.22uF., 25V, Ceramic                            | 3198 | 023 | 22240 |
| 2181         | 22pF., 50V, Ceramic                               | 3198 | 016 02290 | 2602 | 100pF., 50V, Ceramic                             | 3198 | 016 | 01010 |
| 2182         | 330pF., 50V, Ceramic                              | 3198 | 016 03310 | 2606 | 1000pF., 50V, Ceramic                            | 3198 | 016 | 01020 |
| 2184         | 2.2uF., 10V, Ceramic                              | 3198 | 017 22250 | 2607 | 33pF., 50V, Ceramic                              | 3198 | 016 | 03390 |
| 2202         | 0.1uF., 25V, Ceramic                              | 3198 | 023 21040 | 2608 | 0.1uF., 25V, Ceramic                             | 3198 | 023 | 21040 |
| 2203         | 0.1uF., 25V, Ceramic                              | 3198 | 023 21040 | 2609 | 33pF., 50V, Ceramic                              | 3198 | 016 | 03390 |
| 2204         | 0.1uF., 25V, Ceramic                              | 3198 | 023 21040 | 2611 | 0.1uF., 25V, Ceramic                             | 3198 | 023 | 21040 |
| 2205         | 0.22uF., 25V, Ceramic                             | 3198 | 023 22240 | 2612 | 22pF., 50V, Ceramic                              | 3198 | 016 | 02290 |
| 2208         | 0.1uF., 25V, Ceramic                              | 3198 | 023 21040 | 2613 | 22pF., 50V, Ceramic                              | 3198 | 016 | 02290 |
| 2209         | 4.7uF., 20%, 50V, Electrolytic                    | 3198 | 025 54780 | 2615 | 1000pF., 50V, Ceramic                            | 3198 | 016 | 01020 |
| 2210         | 0.47uF., 20%, 50V, Electrolytic                   | 3198 | 025 54770 | 2618 | 0.01uF., 50V, Ceramic                            | 3198 | 017 | 01030 |
| 2211         | 0.47uF., 16V, Ceramic                             | 3198 | 017 24740 | 2619 | 1uF., 16V, Ceramic                               | 3198 | 017 | 21050 |
| 2216         | 100uF., 20%, 25V, Electrolytic                    | 3198 | 025 31010 | 2691 | 100uF., 20%, 25V, Electrolytic                   | 3198 | 025 | 31010 |
| 2217         | 0.022uF., 50V, Ceramic                            | 3198 | 017 02230 | 2902 | 220uF., 20%, 50V, Electrolytic                   | 3198 | 026 | 52210 |
| 2219         | 0.22uF., 25V, Ceramic                             | 3198 | 023 22240 | 2903 | 1uF., 20%, 50V, Electrolytic                     | 3198 | 025 | 51080 |
| 2226         | 4700pF., 50V, Ceramic                             | 3198 | 017 04720 | 2904 | 1uF., 16V, Ceramic                               | 3198 | 017 | 21050 |
| 2227         | 4700pF., 50V, Ceramic                             | 3198 | 017 04720 | 2905 | 1000pF., 50V, Ceramic                            | 3198 | 016 | 01020 |
| 2228         | 820pF., 50V, Ceramic                              | 3198 | 016 08210 | 2908 | 10uF., 20%, 50V, Electrolytic                    | 3198 | 025 | 51090 |
| 2229         | 10uF., 20%, 50V, Electrolytic                     | 3198 | 025 51090 | 2941 | 1uF., 20%, 50V, Electrolytic                     | 3198 | 025 | 51080 |
| 2233         | 820pF., 50V, Ceramic                              | 3198 | 016 08210 | 2942 | 0.033uF., 50V, Ceramic                           | 3198 | 017 | 03330 |
| 2241         | 4700pF., 50V, Ceramic                             | 3198 | 017 04720 | 2943 | 0.1uF., 16V, Ceramic                             | 3198 | 017 | 01040 |
| 2242         | 1uF., 16V, Ceramic                                | 3198 | 017 21050 | 2944 | 0.047uF., 50V, Ceramic                           | 3198 | 017 | 24730 |
| 2243         | 2200pF., 50V, Ceramic                             | 3198 | 017 02220 | 2945 | 0.01uF., 50V, Ceramic                            | 3198 | 017 | 01030 |
| 2244         | 0.1uF., 10%, 63V, Metalized Polyester             | 2222 | 370 75104 | 2946 | 1uF., 16V, Ceramic                               | 3198 | 017 | 21050 |
| 2245         | 0.22uF., 25V, Ceramic                             | 3198 | 023 22240 | 2981 | 100uF., 20%, 25V, Electrolytic                   | 3198 | 025 | 31010 |
| 2246         | 4.7uF., 20%, 50V, Electrolytic                    | 3198 | 025 54780 | 2982 | 470pF., 50V, Ceramic                             | 3198 | 016 | 04710 |
| 2247         | 100uF., 20%, 25V, Electrolytic                    | 3198 | 025 31010 | 2983 | 100uF., 20%, 25V, Electrolytic                   | 3198 | 025 | 31010 |
| 2248         | 0.022uF., 50V, Ceramic                            | 3198 | 017 02230 | 2984 | 470pF., 50V, Ceramic                             | 3198 | 016 | 04710 |
| 2249         | 0.022uF., 50V, Ceramic                            | 3198 | 017 02230 | 3000 | 100 ohm, 5%, 1/6W Carbon                         | 3198 | 011 | 01010 |
| 2250         | 2.2uF., 20%, 50V, Electrolytic                    | 3198 | 025 52280 | 3001 | 100 ohm, 5%, 1/6W Carbon                         | 3198 | 011 | 01010 |
| 2252         | 1000pF., 50V, Ceramic                             | 3198 | 016 01020 | 3002 | Zero ohm "Chip" Jumper                           | 3198 | 021 | 90020 |
| 2253         | 1000pF., 50V, Ceramic                             | 3198 | 016 01020 | 3003 | 1.5k, 5%   | 3198 | 021 | 51520 |
| 2254         | 100pF., 50V, Ceramic                              | 3198 | 016 01010 | 3004 | 8.2k, 5%   | 3198 | 021 | 58220 |
| 2313         | 220pF., 50V, Ceramic                              | 3198 | 016 02210 | 3005 | 100 ohm, 5%, 1/6W Carbon                         | 3198 | 011 | 01010 |
| 2323         | 390pF., 50V, Ceramic                              | 3198 | 016 03910 | 3181 | 75 ohm, 5%, 1/6W Carbon                          | 3198 | 011 | 07590 |
| 2331         | 390pF., 50V, Ceramic                              | 3198 | 016 03910 | 3182 | 100 ohm, 5%, 1/6W Carbon                         | 3198 | 011 | 01010 |
| 2341         | 2200pF., 1kV, 10%, Ceramic                        | 2020 | 558 90571 | 3183 | 150 ohm, 5%, 1/6W Carbon                         | 3198 | 011 | 01510 |
| 2342         | 0.047uF., 10%, 250V Metalized Polyester           | 2222 | 365 45473 | 3184 | 47k, 5%  | 3198 | 021 | 54730 |
| 2343         | 0.047uF., 10%, 250V Metalized Polyester           | 2222 | 365 45473 | 3200 | 390 ohm, 5%, 1/6W Carbon                         | 3198 | 011 | 03910 |
| 2401         | 680pF., 50V, Ceramic                              | 3198 | 019 16810 | 3201 | 100 ohm, 5%, 1/6W Carbon                         | 3198 | 011 | 01010 |
| 2402         | 0.68uF., 5%, 250V, Metalized Polypropyl<br>ene.   | 2222 | 479 90027 | 3202 | 100 ohm, 5%, 1/6W Carbon                         | 3198 | 011 | 01010 |
| 2406         | 330pF., 50V, Ceramic                              | 3198 | 016 03310 | 3203 | 100 ohm, 5%, 1/6W Carbon                         | 3198 | 011 | 01010 |
| 2407         | 0.011uF., 5%, 1.6kV, Metalized Polyprop<br>ylene. | 2222 | 375 90155 | 3204 | 10k, 5%, 1/6W Carbon                             | 3198 | 011 | 01030 |
| 2408         | 0.022uF., 50V, Ceramic                            | 3198 | 019 22230 | 3206 | 100k, 5%   | 3198 | 021 | 51040 |
| 2409         | 47uF., 20%, 160V, Electrolytic                    | 2020 | 021 91139 | 3207 | 1k, 5%, 1/6W Carbon                              | 3198 | 011 | 01020 |
| 2410         | 470uF., 20%, 16V, Electrolytic                    | 2020 | 021 91577 | 3208 | 220 ohm, 5%                                      | 3198 | 021 | 52210 |
| 2411         | 47uF., 20%, 25V, Electrolytic                     | 2020 | 021 90586 | 3209 | 68 ohm, 5%                                       | 3198 | 021 | 56890 |
| 2412         | 0.033uF., 10%, 100V, Metalized Polyester          | 2222 | 347 90236 | 3212 | 470 ohm, 5%                                      | 3198 | 021 | 54710 |
| 2413         | 10uF., 20%, 250V, Electrolytic                    | 2020 | 012 93495 | 3213 | 560 ohm, 5%, 1/6W Carbon                         | 3198 | 011 | 05610 |
| 2414         | 1000uF., 20%, 16V, Electrolytic                   | 2020 | 021 91049 | 3217 | 330k, 5%   | 3198 | 021 | 53340 |
| 2417         | 1000uF., 20%, 16V, Electrolytic                   | 2020 | 021 91049 | 3218 | 82k, 5%  | 3198 | 021 | 58230 |
| 2418         | 0.01uF., 50V, Ceramic                             | 3198 | 017 01030 | 3219 | 2.2k, 5%   | 3198 | 021 | 52220 |
| 2419         | 1uF., 20%, 50V, Electrolytic                      | 2020 | 021 91147 | 3226 | 560 ohm, 5%                                      | 3198 | 021 | 55610 |
| 2420         | 1uF., 20%, 50V, Electrolytic                      | 3198 | 025 51080 | 3232 | 2.2k, 5%   | 3198 | 021 | 52220 |
| 2421         | 0.047uF., 50V, Ceramic                            | 3198 | 017 24730 | 3235 | 100 ohm, 5%, 1/6W Carbon                         | 3198 | 011 | 01010 |
| 2422         | 470uF., 20%, 16V, Electrolytic                    | 2020 | 021 91577 | 3241 | 22k, 5%  | 3198 | 021 | 52230 |
|              |   |      |           | 3242 | 27k, 5%  | 3198 | 021 | 52730 |
|              |   |      |           | 3244 | 820 ohm, 5%, 1/6W Carbon                         | 3198 | 011 | 08210 |

S = Safety Part      Be sure to use exact replacement part.

# 19PR11C125 (continued)

|      |  |                |      |  |                |
|------|--|----------------|------|--|----------------|
| 3245 | 39k, 5% . . . . .  | 3198 021 53930 | 3531 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3246 | 10k, 5% . . . . .  | 3198 021 51030 | 3541 | 470 ohm, 5% . . . . .                      | 3198 021 54710 |
| 3247 | 220k, 5% . . . . .   | 3198 021 52240 | 3542 | 1.5k, 5% . . . . .                         | 3198 021 51520 |
| 3248 | 27k, 5% . . . . .  | 3198 021 52730 | 3543 | 82k, 1%, Metal Film . . . . .              | 2322 156 28203 |
| 3249 | 820 ohm, 5%, 1/6W Carbon . . . . .                             | 3198 011 08210 | 3544 | 6.8k, 1%, Metal Film . . . . .             | 2322 156 26802 |
| 3251 | 100 ohm, 5%, 1/6W Carbon . . . . .                             | 3198 011 01010 | 3545 | 82k, 5% . . . . .                          | 3198 021 58230 |
| 3254 | 1M, 5% . . . . .   | 3198 021 51050 | 3546 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3256 | 1k, 5% . . . . .   | 3198 021 51020 | 3547 | 0.33 ohm, 5%, 1W, Power Resistor . . . . . | 3198 012 13370 |
| 3257 | 10Meg, 5% . . . . .  | 3198 021 51060 | 3548 | 8.2k, 5% . . . . .                         | 3198 021 58220 |
| 3258 | 330k, 5% . . . . .   | 3198 021 53340 | 3549 | 470 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 04710 |
| 3259 | 470k, 5% . . . . .   | 3198 021 54740 | 3552 | 10k, 5% . . . . .                          | 3198 021 51030 |
| 3311 | 3.9k, 5% . . . . .   | 3198 021 53920 | 3559 | 1k, 5% . . . . .                           | 3198 021 51020 |
| 3312 | 330 ohm, 5% . . . . .  | 3198 021 53310 | 3561 | 220 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 02210 |
| 3313 | 10 ohm, 5% . . . . .   | 3198 021 51090 | 3562 | 10k, 5% . . . . .                          | 3198 021 51030 |
| 3314 | 18k, 5%, Metal Film . . . . .                                  | 2322 195 63183 | 3563 | 4.7k, 5% . . . . .                         | 3198 021 54720 |
| 3316 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                   | 2306 204 03689 | 3564 | 4.7 ohm, 5%, 2W, Power Resistor . . . . .  | 3198 012 24780 |
| 3317 | 1.5k, 20%, 1/2W Carbon . . . . .                               | 3198 013 01520 | 3565 | 330 ohm, 5%, 1W, Power Resistor . . . . .  | 3198 012 13310 |
| 3321 | 3.9k, 5% . . . . .   | 3198 021 53920 | 3566 | 2.2k, 5% . . . . .                         | 3198 021 52220 |
| 3322 | 330 ohm, 5% . . . . .  | 3198 021 53310 | 3569 | 5.6k, 5% . . . . .                         | 3198 021 55620 |
| 3323 | 10 ohm, 5% . . . . .   | 3198 021 51090 | 3580 | 47k, 5% . . . . .                          | 3198 021 54730 |
| 3324 | 18k, 5%, Metal Film . . . . .                                  | 2322 195 63183 | 3603 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3326 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                   | 2306 204 03689 | 3604 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3327 | 1.5k, 20%, 1/2W Carbon . . . . .                               | 3198 013 01520 | 3605 | 4.7k, 5% . . . . .                         | 3198 021 54720 |
| 3331 | 3.9k, 5% . . . . .   | 3198 021 53920 | 3606 | 2.2k, 5%, 1/6W Carbon . . . . .            | 3198 011 02220 |
| 3332 | 330 ohm, 5% . . . . .  | 3198 021 53310 | 3607 | 2.2k, 5%, 1/6W Carbon . . . . .            | 3198 011 02220 |
| 3333 | 10 ohm, 5% . . . . .   | 3198 021 51090 | 3608 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3334 | 18k, 5%, Metal Film . . . . .                                  | 2322 195 63183 | 3611 | 100 ohm, 5% . . . . .                      | 3198 021 51010 |
| 3336 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                   | 2306 204 03689 | 3614 | 4.7k, 5%, 1/6W Carbon . . . . .            | 3198 011 04720 |
| 3337 | 1.5k, 20%, 1/2W Carbon . . . . .                               | 3198 013 01520 | 3615 | 10k, 5%, 1/6W Carbon . . . . .             | 3198 011 01030 |
| 3341 | 1.5k, 20%, 1/2W Carbon . . . . .                               | 3198 013 01520 | 3617 | 4.7k, 5%, 1/6W Carbon . . . . .            | 3198 011 04720 |
| 3347 | 220 ohm, 5% Fusible Resistor NFR25 . . . . .                   | 2306 204 03221 | 3618 | 2.2k, 5%, 1/6W Carbon . . . . .            | 3198 011 02220 |
| 3348 | 1.5k, 20%, 1/2W Carbon . . . . .                               | 3198 013 01520 | 3619 | 8.2k, 5%, 1/6W Carbon . . . . .            | 3198 011 08220 |
| 3349 | 1 ohm, 5%, Fusible Resistor NFR25 . . . . .                    | 2306 204 03108 | 3622 | 100 ohm, 5% . . . . .                      | 3198 021 51010 |
| 3350 | 1 ohm, 5%, Fusible Resistor NFR25 . . . . .                    | 2306 204 03108 | 3623 | 4.7k, 5% . . . . .                         | 3198 021 54720 |
| 3401 | 330k, 5% . . . . .   | 2322 242 13334 | 3624 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3402 | 18k, 5%, 1/6W Carbon . . . . .                                 | 3198 011 01830 | 3625 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3403 | 22 ohm, 5%, 3W, Power Resistor . . . . .                       | 3198 012 32290 | 3626 | 4.7k, 5% . . . . .                         | 3198 021 54720 |
| 3404 | 6.8 ohm, 5%, Fusible Resistor NFR25 . . . . .                  | 2306 204 03688 | 3627 | 4.7k, 5% . . . . .                         | 3198 021 54720 |
| 3406 | 10k, 5%, 1/6W Carbon . . . . .                                 | 3198 011 01030 | 3628 | 10k, 5% . . . . .                          | 3198 021 51030 |
| 3407 | 220 ohm, 5%, 3W, Power Resistor . . . . .                      | 3198 012 32210 | 3630 | 2.2k, 5% . . . . .                         | 3198 021 52220 |
| 3408 | 1k, 5%, 1/6W Carbon . . . . .                                  | 3198 011 01020 | 3632 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3410 | 33k, 5% . . . . .  | 3198 021 53330 | 3636 | 100 ohm, 5% . . . . .                      | 3198 021 51010 |
| 3411 | 10 ohm, 5% Fusible Resistor NFR25 . . . . .                    | 2306 204 03109 | 3681 | 390 ohm, 5% . . . . .                      | 3198 021 53910 |
| 3412 | 3.3k, 1%, Metal Film . . . . .                                 | 2322 156 23302 | 3682 | 3.3k, 5% . . . . .                         | 3198 021 53320 |
| 3413 | 10k, 5% . . . . .  | 3198 021 51030 | 3683 | 390 ohm, 5% . . . . .                      | 3198 021 53910 |
| 3414 | 1.5k, 1%, Metal Film . . . . .                                 | 2322 156 21502 | 3684 | 560 ohm, 5% . . . . .                      | 3198 021 55610 |
| 3415 | 1k, 5%, 1/6W Carbon . . . . .                                  | 3198 011 01020 | 3685 | 560 ohm, 5% . . . . .                      | 3198 021 55610 |
| 3416 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                   | 2306 204 03689 | 3686 | 1.5k, 5% . . . . .                         | 3198 021 51520 |
| 3417 | 33k, 5%, 1/6W Carbon . . . . .                                 | 3198 011 03330 | 3691 | 330 ohm, 5% . . . . .                      | 3198 021 53310 |
| 3418 | 33k, 5% . . . . .  | 3198 021 53330 | 3693 | 220 ohm, 5% . . . . .                      | 3198 021 52210 |
| 3419 | 6.8k, 5% . . . . .   | 3198 021 56820 | 3694 | 4.7k, 5% . . . . .                         | 3198 021 54720 |
| 3420 | 33k, 5% . . . . .  | 3198 021 53330 | 3901 | 1k, 5% . . . . .                           | 3198 021 51020 |
| 3421 | 6.8 ohm, 5%, 2W, Power Resistor . . . . .                      | 3198 012 26880 | 3902 | 3.3k, 5% . . . . .                         | 3198 021 53320 |
| 3422 | 100 ohm, 5% . . . . .  | 3198 021 51010 | 3903 | 8.2k, 5% . . . . .                         | 3198 021 58220 |
| 3423 | 820 ohm, 5% . . . . .  | 3198 021 58210 | 3904 | 10k, 5% . . . . .                          | 3198 021 51030 |
| 3424 | 100 ohm, 5%, 1/6W Carbon . . . . .                             | 3198 011 01010 | 3907 | 5.6k, 5% . . . . .                         | 3198 021 55620 |
| 3425 | 12k, 5%, 1/6W Carbon . . . . .                                 | 3198 011 01230 | 3941 | 100 ohm, 5% . . . . .                      | 3198 021 51010 |
| 3426 | 1M, 5% . . . . .   | 3198 021 51050 | 3942 | 3.9k, 5% . . . . .                         | 3198 021 53920 |
| 3427 | 12k, 5%, 1/6W Carbon . . . . .                                 | 3198 011 01230 | 3943 | 2.7k, 5% . . . . .                         | 3198 021 52720 |
| 3428 | 39 ohm, 5% Fusible Resistor NFR25H . . . . .                   | 2306 207 03399 | 3944 | 2.7k, 5% . . . . .                         | 3198 021 52720 |
| 3431 | 2.2k, 5% . . . . .   | 3198 021 52220 | 3945 | 1k, 5% . . . . .                           | 3198 021 51020 |
| 3432 | 22 ohm, 5%, 1/6W Carbon . . . . .                              | 3198 011 02290 | 3946 | 18k, 5% . . . . .                          | 3198 021 51830 |
| 3471 | 3.9 ohm, 1%, Metal Film . . . . .                              | 2322 156 23908 | 3947 | 330 ohm, 5% . . . . .                      | 3198 021 53310 |
| 3472 | 3.9 ohm, 1%, Metal Film . . . . .                              | 2322 156 23908 | 3948 | 47k, 5% . . . . .                          | 3198 021 54730 |
| 3473 | 2.2k, 1%, Metal Film . . . . .                                 | 2322 156 22202 | 3949 | 15k, 5% . . . . .                          | 3198 021 51530 |
| 3474 | 1k, 5%, 1/6W Carbon . . . . .                                  | 3198 011 01020 | 3950 | 560 ohm, 5% . . . . .                      | 3198 021 55610 |
| 3475 | 2.2k, 1%, Metal Film . . . . .                                 | 2322 156 22202 | 3951 | 390 ohm, 5% . . . . .                      | 3198 021 53910 |
| 3476 | 1.5 ohm, 5%, Fusible Resistor NFR25 . . . . .                  | 2306 204 03158 | 3981 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3477 | 220 ohm, 5%, 1/6W Carbon . . . . .                             | 3198 011 02210 | 3982 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3478 | 220 ohm, 5%, 1/6W Carbon . . . . .                             | 3198 011 02210 | 4001 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3479 | 1k, 5%, 1/6W Carbon . . . . .                                  | 3198 011 01020 | 4002 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3500 | 3.3Meg, 5% . . . . .   | 2322 242 13335 | 4181 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3501 | 3.3Meg, 5% . . . . .   | 2322 242 13335 | 4212 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3502 | 4.7 ohm, 20%, 3.1W, Negative Temperature Coefficient . . . . . | 2122 612 00055 | 4216 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3503 | 10 ohm, 30%, 120V, Positive Temperature Coefficient . . . . .  | 2120 661 00026 | 4217 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3506 | Jumper Wire . . . . .  | 0322 179 00003 | 4410 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3507 | Surge Protector DSP-301N-A21F . . . . .                        | 2422 549 43073 | 4501 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3508 | 1.5Meg, 5% . . . . .   | 2322 242 13155 | 4601 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3519 | 270 ohm, 5%, 1/6W Carbon . . . . .                             | 3198 011 02710 | 4613 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3520 | 1.2k, 5% . . . . .   | 3198 021 51220 | 4614 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3521 | 4.7 ohm, 5%, 1/6W Carbon . . . . .                             | 3198 011 04780 | 4615 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3522 | 330k, 5% . . . . .   | 3198 021 53340 | 4616 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3523 | 100 ohm, 5%, Fusible Resistor NFR25 . . . . .                  | 2306 204 03101 | 4617 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3524 | 56k, 5% . . . . .  | 3198 021 55630 | 4618 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3525 | 1k, 5% . . . . .   | 3198 021 51020 | 4619 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3526 | 0.15 ohm, 5%, 1W, Power Resistor . . . . .                     | 3198 012 11570 | 4622 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3527 | 2.2k ohm, 5%, Fusible Resistor NFR25 . . . . .                 | 2306 204 03222 | 4623 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3528 | 10k, 5% . . . . .  | 3198 021 51030 | 4691 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3529 | 47k, 5% . . . . .  | 3198 021 54730 | 4692 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3530 | 4.7k, 5% . . . . .   | 3198 021 54720 | 4693 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |  |                | 4807 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |  |                | 4811 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |

S = Safety Part Be sure to use exact replacement part.

## 19PR11C125 (continued)

|      |  |                |      |  |                |
|------|--|----------------|------|--|----------------|
| 4812 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7333 | Transistor BF423 . . . . .               | 3198 020 43020 |
| 4813 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7401 | Transistor PDTCL143ZT. . . . .           | 9340 547 00215 |
| 4814 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7402 | Power Transistor BUT11APX-1200 . . . . . | 9340 563 21127 |
| 4901 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7403 | Transistor BC337-25. . . . .             | 3198 020 43530 |
| 4911 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7404 | Transistor BC636 . . . . .               | 9332 219 50126 |
| 4982 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7405 | Transistor BC857B . . . . .              | 3198 010 42150 |
| 5001 | Fixed Inductor, 5.6uH, 10% . . . . .             | 3198 018 25680 | 7406 | Transistor BC857B . . . . .              | 3198 010 42150 |
| 5002 | Fixed Inductor, 0.82uH, 10% . . . . .            | 3198 018 18270 | 7407 | Power Transistor BD135-16. . . . .       | 3198 020 41190 |
| 5201 | Fixed Inductor, 6.8uH, 5% . . . . .              | 3198 018 16880 | 7408 | Power Transistor BD135-17. . . . .       | 3198 020 41190 |
| 5202 | Fixed Inductor, 10uH, 10% . . . . .              | 3198 018 21090 | 7409 | Transistor BC857B . . . . .              | 3198 010 42150 |
| 5241 | Fixed Inductor, 10uH, 10% . . . . .              | 3198 018 21090 | 7471 | IC, TDA9302H . . . . .                   | 9322 088 25682 |
| 5242 | Fixed Inductor, 10uH, 5% . . . . .               | 3198 018 11090 | 7515 | Opto-Coupler, TCET1103(G). . . . .       | 9322 140 14667 |
| 5341 | Fixed Inductor, 12uH, 5% SPT0508 . . . . .       | 2422 535 95598 | 7520 | IC, TEA1507P/N1. . . . .                 | 9352 673 56112 |
| 5342 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 7521 | Power FET, STP5NC50FP. . . . .           | 9322 160 71687 |
| 5403 | Fixed Inductor, 33uH, 10% LHL08 . . . . .        | 2422 535 94643 | 7522 | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5408 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7540 | Transistor BC547B. . . . .               | 3198 020 40030 |
| 5410 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7541 | Transistor PDTCL144ET. . . . .           | 9340 310 10215 |
| 5444 | Signal Driver Transformer SC10009-03. . . . .    | 2422 531 02446 | 7542 | Transistor BC857B . . . . .              | 3198 010 42150 |
| 5445 | LOT Transformer MSL0T4 . . . . .                 | 3128 138 21541 | 7560 | IC, L78L33ACZ. . . . .                   | 9322 134 92676 |
| 5502 | AC Filter. . . . .                               | 2422 549 44284 | 7561 | Transistor PDTCL143ZT. . . . .           | 9340 547 00215 |
| 5520 | Transformer SS28011-04. . . . .                  | 2422 531 02458 | 7580 | Transistor BC857B . . . . .              | 3198 010 42150 |
| 5520 | Transformer SS28032-01A . . . . .                | 2422 531 02458 | 7602 | IC M24C16-WBN6 . . . . .                 | 9322 147 25682 |
| 5521 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 7902 | IC, AN7523N. . . . .                     | 9322 158 66667 |
| 5560 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 7941 | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5561 | Fixed Inductor, 27uH, 10% . . . . .              | 3198 018 22790 | 7942 | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5562 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 7943 | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5563 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9181 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5602 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9692 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5603 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9696 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5604 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9814 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5833 | Jumper Wire. . . . .                             | 0322 179 00003 | 9820 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6001 | Diode Regulator, BZX79-C33 (33Volt). . . . .     | 3198 010 23390 | 9821 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6201 | Diode, BAV21 . . . . .                           | 3198 010 10630 | 9822 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6202 | Diode, BAS316 . . . . .                          | 3198 010 10630 | 9824 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6206 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 | 9825 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6241 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 | 9826 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6311 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9827 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6321 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9828 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6331 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9829 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6341 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9830 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6342 | Diode, 1N4148. . . . .                           | 3198 010 10010 | 9832 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6343 | Diode Regulator, BZX384-C8V2 (8.2Volt) . . . . . | 3198 020 58280 | 9833 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6401 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9982 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6402 | Diode Rectifier, BYV27-200 . . . . .             | 9322 126 72673 | 7200 | IC, TDA9587H/N1/3/0482 . . . . .         | 9352 699 88557 |
| 6404 | Diode Rectifier, BYD33D. . . . .                 | 9337 410 30133 | CBA  | Main Chassis . . . . .                   | 3139 178 86291 |
| 6405 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |  |                |
| 6406 | Diode, BAV70. . . . .                            | 9331 849 10215 |      |  |                |
| 6407 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 6408 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 6409 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |  |                |
| 6410 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |  |                |
| 6413 | Diode, 1N4148. . . . .                           | 3198 010 10010 |      |  |                |
| 6414 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 |      |  |                |
| 6415 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 6419 | Diode Regulator, BZX79-C5V6 (5.6Volt). . . . .   | 3198 010 25680 |      |  |                |
| 6420 | Diode Regulator, BZX79-C9V1 (9.1Volt). . . . .   | 9331 177 80133 |      |  |                |
| 6423 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |  |                |
| 6471 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |  |                |
| 6500 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |  |                |
| 6501 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |  |                |
| 6502 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |  |                |
| 6503 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |  |                |
| 6520 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |  |                |
| 6523 | Diode, 1N4148. . . . .                           | 3198 010 10010 |      |  |                |
| 6540 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 |      |  |                |
| 6541 | Diode Regulator, BZX79-C10 (10Volt). . . . .     | 3198 010 21090 |      |  |                |
| 6560 | Diode Rectifier, BYW76-RAS15/10. . . . .         | 9322 127 32682 |      |  |                |
| 6561 | Diode Rectifier, BYW76-RAS15/10. . . . .         | 9322 127 32682 |      |  |                |
| 6562 | Diode Rectifier, EGP20DL-5100. . . . .           | 9322 164 42682 |      |  |                |
| 6563 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 6565 | Diode, BAV70. . . . .                            | 9331 849 10215 |      |  |                |
| 6566 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 6569 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 6570 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 |      |  |                |
| 6580 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 6581 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 6681 | Diode, BAT85 . . . . .                           | 9336 247 60133 |      |  |                |
| 6691 | LED, VS LTL-10224WHCR. . . . .                   | 9322 050 99682 |      |  |                |
| 6692 | IR Receiver, TSOP1836UH3V. . . . .               | 9322 127 54667 |      |  |                |
| 6901 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 7200 | IC, 2US1 Software Cluster. . . . .               | 9352 699 88557 |      |  |                |
| 7201 | Transistor BC847B . . . . .                      | 3198 010 42030 |      |  |                |
| 7204 | Transistor BC857B . . . . .                      | 3198 010 42150 |      |  |                |
| 7241 | Transistor PDTA114ET. . . . .                    | 3198 010 44010 |      |  |                |
| 7311 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |  |                |
| 7312 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |  |                |
| 7313 | Transistor BF423 . . . . .                       | 3198 020 43020 |      |  |                |
| 7321 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |  |                |
| 7322 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |  |                |
| 7323 | Transistor BF423 . . . . .                       | 3198 020 43020 |      |  |                |
| 7331 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |  |                |
| 7332 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |  |                |

S = Safety Part Be sure to use exact replacement part.



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## Main Chassis

| Main Chassis |  |  |  | 2422 | 470uF., 20%, 16V, Electrolytic           | 2020 | 021 | 91577 |
|--------------|--|--|--|------|--|------|-----|-------|
|              | Main Chassis                             |  |  | 2423 | 10uF., 20%, 100V, Electrolytic           | 2020 | 021 | 90813 |
| 0127         | 2 Pin Fuse Socket.                       |  |  | 2471 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 0138         | IC-SPRING FOR ITEM 7471 (IC TDA9302H).   |  |  | 2472 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 0139         | IC-SPRING 7402                           |  |  | 2473 | 100uF., 20%, 50V, Electrolytic           | 2020 | 021 | 90587 |
| 0211         | 2 Pin Connector (AC Input Plug).         |  |  | 2475 | 470pF., 50V, Ceramic                     | 3198 | 016 | 04710 |
| 0212         | 2 Pin Connector (Degaussing Plug (RED))  |  |  | 2476 | 0.22uF., 10%, 50V, Metalized Polyester   | 3198 | 014 | 02240 |
| 0217         | 3 Pin Connector.                         |  |  | 2477 | 470pF., 50V, Ceramic                     | 3198 | 016 | 04710 |
| 0218         | 2 Pin Connector.                         |  |  | 2500 | 0.47uF., 20%, 275V, Metalized Polypropyl |      |     |       |
| 0220         | 3 Pin Connector.                         |  |  |      | ene.                                     | 2022 | 330 | 00018 |
| 0221         | 6 Pin Connector.                         |  |  | 2501 | 2200pF., 1kV, Ceramic.                   | 3198 | 019 | 52220 |
| 0222         | 2 Pin Connector.                         |  |  | 2502 | 2200pF., 1kV, Ceramic.                   | 3198 | 019 | 52220 |
| 0232         | Headphone Jack                           |  |  | 2503 | 220uF, 20%, 200V, Electrolytic           | 2020 | 024 | 90557 |
| 0243         | 6 Pin Connector.                         |  |  | 2504 | 2200pF., 1kV, Ceramic.                   | 3198 | 019 | 52220 |
| 0244         | 3 Pin Connector.                         |  |  | 2506 | 2200pF., 1kV, Ceramic.                   | 3198 | 019 | 52220 |
| 0245         | 6 Pin Connector.                         |  |  | 2508 | 470pF., 1kV, 10%, Ceramic.               | 3198 | 019 | 64710 |
| 0246         | 3 Pin Connector.                         |  |  | 2515 | 1500pF., 250V, 20%, Ceramic.             | 2020 | 554 | 90172 |
| 0254         | 9 Pin CRT Socket (N-NECK).               |  |  | 2520 | 0.1uF., 16V, Ceramic                     | 3198 | 017 | 01040 |
| 1000         | Tuner V+U PLL F ENV56D98G3               |  |  | 2521 | 22uF., 20%, 50V, Electrolytic.           | 3198 | 025 | 52290 |
| 1002         | 45.75 MHz Saw Filter F072TPL-A           |  |  | 2522 | 0.1uF., 16V, Ceramic                     | 3198 | 017 | 01040 |
| 1200         | 4.5MHz Ceramic Filter, TPS*MB.           |  |  | 2523 | 1500pF., 2kV, 10%, Ceramic               | 2020 | 558 | 90489 |
| 1500         | 5 Amp, 250V, Fuse (5X20)                 |  |  | 2525 | 470pF, 50V, Ceramic.                     | 3198 | 017 | 04710 |
| 1515         | 5 Amp, 12V, 1 Pin Relay, G5PA-1.         |  |  | 2526 | 0.001uF., 50V, Ceramic                   | 3198 | 017 | 01020 |
| 1600         | Tact Switch.                             |  |  | 2527 | 470pF, 50V, Ceramic.                     | 3198 | 017 | 04710 |
| 1601         | Tact Switch.                             |  |  | 2540 | 0.015uF., 50V, Ceramic                   | 3198 | 017 | 01530 |
| 1602         | Tact Switch.                             |  |  | 2560 | 1000pF., 1kV, 10%, Ceramic               | 3198 | 019 | 61020 |
| 1603         | Tact Switch.                             |  |  | 2561 | 47uF., 20%, 160V, Electrolytic           | 2020 | 021 | 91358 |
| 1606         | Tact Switch.                             |  |  | 2562 | 1000pF, 50V, Ceramic                     | 3198 | 019 | 11020 |
| 1660         | 12MHz, Crystal Resonator, HC49/U A       |  |  | 2563 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 2004         | 0.047uF., 25V, Ceramic                   |  |  | 2564 | 2200uF., 20%, 16V, Electrolytic.         | 2020 | 012 | 93057 |
| 2005         | 10uF., 20%, 50V, Electrolytic.           |  |  | 2565 | 470pF., 1kV, 10%, Ceramic.               | 3198 | 019 | 64710 |
| 2006         | 470uF., 20%, 16V, Electrolytic           |  |  | 2567 | 47uF., 20%, 25V, Electrolytic.           | 3198 | 025 | 34790 |
| 2007         | 0.1uF, 25V, Ceramic.                     |  |  | 2568 | 1uF., 20%, 50V, Electrolytic             | 3198 | 025 | 51080 |
| 2008         | 100uF., 20%, 25V, Electrolytic           |  |  | 2569 | 470pF, 50V, Ceramic.                     | 3198 | 017 | 04710 |
| 2009         | 0.022uF., 50V, Ceramic                   |  |  | 2580 | 47uF., 20%, 25V, Electrolytic.           | 3198 | 025 | 34790 |
| 2181         | 22pF., 50V, Ceramic.                     |  |  | 2601 | 0.22uF., 25V, Ceramic.                   | 3198 | 023 | 22240 |
| 2182         | 330pF., 50V, Ceramic                     |  |  | 2602 | 100pF., 50V, Ceramic                     | 3198 | 016 | 01010 |
| 2184         | 2.2uF., 10V, Ceramic                     |  |  | 2606 | 1000pF., 50V, Ceramic.                   | 3198 | 016 | 01020 |
| 2202         | 0.1uF, 25V, Ceramic.                     |  |  | 2607 | 33pF., 50V, Ceramic.                     | 3198 | 016 | 03390 |
| 2203         | 0.1uF, 25V, Ceramic.                     |  |  | 2608 | 0.1uF, 25V, Ceramic.                     | 3198 | 023 | 21040 |
| 2204         | 0.1uF, 25V, Ceramic.                     |  |  | 2609 | 33pF., 50V, Ceramic.                     | 3198 | 016 | 03390 |
| 2205         | 0.22uF., 25V, Ceramic.                   |  |  | 2611 | 0.1uF, 25V, Ceramic.                     | 3198 | 023 | 21040 |
| 2208         | 0.1uF, 25V, Ceramic.                     |  |  | 2612 | 22pF., 50V, Ceramic.                     | 3198 | 016 | 02290 |
| 2209         | 4.7uF., 20%, 50V, Electrolytic           |  |  | 2613 | 22pF., 50V, Ceramic.                     | 3198 | 016 | 02290 |
| 2210         | 0.47uF., 20%, 50V, Electrolytic.         |  |  | 2615 | 1000pF., 50V, Ceramic.                   | 3198 | 016 | 01020 |
| 2211         | 0.47uF, 16V, Ceramic                     |  |  | 2618 | 0.01uF., 50V, Ceramic.                   | 3198 | 017 | 01030 |
| 2216         | 100uF., 20%, 25V, Electrolytic           |  |  | 2619 | 1uF., 16V, Ceramic.                      | 3198 | 017 | 21050 |
| 2217         | 0.022uF., 50V, Ceramic                   |  |  | 2691 | 100uF., 20%, 25V, Electrolytic           | 3198 | 025 | 31010 |
| 2219         | 0.22uF., 25V, Ceramic                    |  |  | 2902 | 220uF., 20%, 50V, Electrolytic           | 3198 | 026 | 52210 |
| 2226         | 4700pF., 50V, Ceramic.                   |  |  | 2903 | 1uF., 20%, 50V, Electrolytic             | 3198 | 025 | 51080 |
| 2227         | 4700pF., 50V, Ceramic.                   |  |  | 2904 | 1uF., 16V, Ceramic.                      | 3198 | 017 | 21050 |
| 2228         | 820pF., 50V, Ceramic                     |  |  | 2905 | 1000pF., 50V, Ceramic.                   | 3198 | 016 | 01020 |
| 2229         | 10uF., 20%, 50V, Electrolytic.           |  |  | 2908 | 10uF., 20%, 50V, Electrolytic.           | 3198 | 025 | 51090 |
| 2233         | 820pF., 50V, Ceramic                     |  |  | 2941 | 1uF., 20%, 50V, Electrolytic             | 3198 | 025 | 51080 |
| 2241         | 4700pF., 50V, Ceramic.                   |  |  | 2942 | 0.033uF., 50V, Ceramic                   | 3198 | 017 | 03330 |
| 2242         | 1uF., 16V, Ceramic.                      |  |  | 2943 | 0.1uF., 16V, Ceramic                     | 3198 | 017 | 01040 |
| 2243         | 2200pF., 50V, Ceramic.                   |  |  | 2944 | 0.047uF, 50V, Ceramic.                   | 3198 | 017 | 24730 |
| 2244         | 0.1uF., 10%, 63V, Metalized Polyester.   |  |  | 2945 | 0.01uF., 50V, Ceramic.                   | 3198 | 017 | 01030 |
| 2245         | 0.22uF., 25V, Ceramic.                   |  |  | 2946 | 1uF., 16V, Ceramic.                      | 3198 | 017 | 21050 |
| 2246         | 4.7uF., 20%, 50V, Electrolytic           |  |  | 2981 | 100uF., 20%, 25V, Electrolytic           | 3198 | 025 | 31010 |
| 2247         | 100uF., 20%, 25V, Electrolytic           |  |  | 2982 | 470pF., 50V, Ceramic                     | 3198 | 016 | 04710 |
| 2248         | 0.022uF., 50V, Ceramic                   |  |  | 2983 | 100uF., 20%, 25V, Electrolytic           | 3198 | 025 | 31010 |
| 2249         | 0.022uF., 50V, Ceramic                   |  |  | 2984 | 470pF., 50V, Ceramic                     | 3198 | 016 | 04710 |
| 2250         | 2.2uF., 20%, 50V, Electrolytic           |  |  | 3000 | 100 ohm, 5%, 1/6W Carbon                 | 3198 | 011 | 01010 |
| 2252         | 1000pF., 50V, Ceramic.                   |  |  | 3001 | 100 ohm, 5%, 1/6W Carbon                 | 3198 | 011 | 01010 |
| 2253         | 1000pF., 50V, Ceramic.                   |  |  | 3002 | Zero ohm "Chip" Jumper                   | 3198 | 021 | 90020 |
| 2254         | 100pF., 50V, Ceramic                     |  |  | 3003 | 1.5k, 5%                                 | 3198 | 021 | 51520 |
| 2313         | 220pF., 50V, Ceramic                     |  |  | 3004 | 8.2k, 5%                                 | 3198 | 021 | 58220 |
| 2323         | 390pF., 50V, Ceramic                     |  |  | 3005 | 100 ohm, 5%, 1/6W Carbon                 | 3198 | 011 | 01010 |
| 2331         | 390pF., 50V, Ceramic                     |  |  | 3181 | 75 ohm, 5%, 1/6W Carbon.                 | 3198 | 011 | 07590 |
| 2341         | 2200pF., 1kV, 10%, Ceramic               |  |  | 3182 | 100 ohm, 5%, 1/6W Carbon                 | 3198 | 011 | 01010 |
| 2342         | 0.047uF, 10%, 250V Metalized Polyester   |  |  | 3183 | 150 ohm, 5%, 1/6W Carbon                 | 3198 | 011 | 01510 |
| 2343         | 0.047uF, 10%, 250V Metalized Polyester   |  |  | 3184 | 47k, 5%.                                 | 3198 | 021 | 54730 |
| 2401         | 680pF, 50V, Ceramic.                     |  |  | 3200 | 390 ohm, 5%, 1/6W Carbon                 | 3198 | 011 | 03910 |
| 2402         | 0.68uF., 5%, 250V, Metalized Polypropyl  |  |  | 3201 | 100 ohm, 5%, 1/6W Carbon                 | 3198 | 011 | 01010 |
|              | ene.                                     |  |  | 3202 | 100 ohm, 5%, 1/6W Carbon                 | 3198 | 011 | 01010 |
| 2406         | 330pF., 50V, Ceramic                     |  |  | 3203 | 100 ohm, 5%, 1/6W Carbon                 | 3198 | 011 | 01010 |
| 2407         | 0.010uF., 5%, 1.6kV, Metalized Polyprop  |  |  | 3204 | 10k, 5%, 1/6W Carbon                     | 3198 | 011 | 01030 |
|              | ylene.                                   |  |  | 3206 | 100k, 5%                                 | 3198 | 021 | 51040 |
| 2408         | 0.022uF., 50V, Ceramic                   |  |  | 3207 | 1k, 5%, 1/6W Carbon.                     | 3198 | 011 | 01020 |
| 2409         | 47uF., 20%, 160V, Electrolytic           |  |  | 3208 | 220 ohm, 5%.                             | 3198 | 021 | 52210 |
| 2410         | 470uF., 20%, 16V, Electrolytic           |  |  | 3209 | 68 ohm, 5%                               | 3198 | 021 | 56890 |
| 2411         | 47uF., 20%, 25V, Electrolytic.           |  |  | 3212 | 470 ohm, 5%.                             | 3198 | 021 | 54710 |
| 2412         | 0.033uF., 10%, 100V, Metalized Polyester |  |  | 3213 | 560 ohm, 5%, 1/6W Carbon                 | 3198 | 011 | 05610 |
| 2413         | 10uF., 20%, 250V, Electrolytic           |  |  | 3217 | 330k, 5%                                 | 3198 | 021 | 53340 |
| 2414         | 1000uF., 20%, 16V, Electrolytic.         |  |  | 3218 | 82k, 5%.                                 | 3198 | 021 | 58230 |
| 2416         | 820pF., 2kV, 10%, Ceramic.               |  |  | 3219 | 2.2k, 5%                                 | 3198 | 021 | 52220 |
| 2417         | 1000uF., 20%, 16V, Electrolytic.         |  |  | 3226 | 560 ohm, 5%.                             | 3198 | 021 | 55610 |
| 2418         | 0.01uF., 50V, Ceramic.                   |  |  | 3232 | 2.2k, 5%                                 | 3198 | 021 | 52220 |
| 2419         | 1uF., 20%, 50V Electrolytic              |  |  | 3235 | 100 ohm, 5%, 1/6W Carbon                 | 3198 | 011 | 01010 |
| 2420         | 1uF., 20%, 50V, Electrolytic             |  |  | 3241 | 22k, 5%.                                 | 3198 | 021 | 52230 |
| 2421         | 0.047uF, 50V, Ceramic.                   |  |  | 3242 | 27k, 5%.                                 | 3198 | 021 | 52730 |

S = Safety Part      Be sure to use exact replacement part.

# 19PR16C121 (continued)

|      |  |                |      |  |                |
|------|--|----------------|------|--|----------------|
| 3244 | 820 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 08210 | 3530 | 4.7k, 5% . . . . .                         | 3198 021 54720 |
| 3245 | 39k, 5%. . . . .   | 3198 021 53930 | 3531 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3246 | 10k, 5%. . . . .   | 3198 021 51030 | 3541 | 470 ohm, 5%. . . . .                       | 3198 021 54710 |
| 3247 | 220k, 5%. . . . .  | 3198 021 52240 | 3542 | 1.5k, 5%. . . . .                          | 3198 021 51520 |
| 3248 | 27k, 5%. . . . .   | 3198 021 52730 | 3543 | 82k, 1%, Metal Film. . . . .               | 2322 156 28203 |
| 3249 | 820 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 08210 | 3544 | 6.8k, 1%, Metal Film . . . . .             | 2322 156 26802 |
| 3251 | 100 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01010 | 3545 | 82k, 5%. . . . .                           | 3198 021 58230 |
| 3254 | 1M, 5%. . . . .  | 3198 021 51050 | 3546 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3256 | 1k, 5%. . . . .  | 3198 021 51020 | 3547 | 0.33 ohm, 5%, 1W, Power Resistor . . . . . | 3198 012 13370 |
| 3257 | 10Meg, 5%. . . . .   | 3198 021 51060 | 3548 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3258 | 330k, 5%. . . . .  | 3198 021 53340 | 3549 | 470 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 04710 |
| 3259 | 470k, 5%. . . . .  | 3198 021 54740 | 3552 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3311 | 3.9k, 5%. . . . .  | 3198 021 53920 | 3559 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3312 | 330 ohm, 5%. . . . .   | 3198 021 53310 | 3561 | 220 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 02210 |
| 3313 | 10 ohm, 5%. . . . .  | 3198 021 51090 | 3562 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3314 | 18k, 5%, Metal Film. . . . .                                     | 2322 195 63183 | 3563 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3316 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3564 | 4.7 ohm, 5%, 2W, Power Resistor. . . . .   | 3198 012 24780 |
| 3317 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3565 | 330 ohm, 5%, 1W, Power Resistor. . . . .   | 3198 012 13310 |
| 3321 | 3.9k, 5%. . . . .  | 3198 021 53920 | 3566 | 2.2k, 5%. . . . .                          | 3198 021 52220 |
| 3322 | 330 ohm, 5%. . . . .   | 3198 021 53310 | 3569 | 5.6k, 5%. . . . .                          | 3198 021 55620 |
| 3323 | 10 ohm, 5%. . . . .  | 3198 021 51090 | 3580 | 47k, 5%. . . . .                           | 3198 021 54730 |
| 3324 | 18k, 5%, Metal Film. . . . .                                     | 2322 195 63183 | 3603 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3326 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3604 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3327 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3605 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3331 | 3.9k, 5%. . . . .  | 3198 021 53920 | 3606 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3332 | 330 ohm, 5%. . . . .   | 3198 021 53310 | 3607 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3333 | 10 ohm, 5%. . . . .  | 3198 021 51090 | 3608 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3334 | 18k, 5%, Metal Film. . . . .                                     | 2322 195 63183 | 3611 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3336 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3614 | 4.7k, 5%, 1/6W Carbon. . . . .             | 3198 011 04720 |
| 3337 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3615 | 10k, 5%, 1/6W Carbon . . . . .             | 3198 011 01030 |
| 3341 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3617 | 4.7k, 5%, 1/6W Carbon. . . . .             | 3198 011 04720 |
| 3347 | 220 ohm, 5% Fusible Resistor NFR25 . . . . .                     | 2306 204 03221 | 3618 | 6.8k, 5%, 1/6W Carbon. . . . .             | 3198 011 06820 |
| 3348 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3619 | 8.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 08220 |
| 3349 | 1.2 ohm, 5% Fusible Resistor NFR25 . . . . .                     | 2306 204 03128 | 3622 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3350 | 1.2 ohm, 5% Fusible Resistor NFR25 . . . . .                     | 2306 204 03128 | 3623 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3401 | 330k, 5%. . . . .  | 2322 242 13334 | 3624 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3402 | 18k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01830 | 3625 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3403 | 22 ohm, 5%, 3W, Power Resistor . . . . .                         | 3198 012 32290 | 3626 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3404 | 6.8 ohm, 5%, Fusible Resistor NFR25. . . . .                     | 2306 204 03688 | 3627 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3406 | 10k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01030 | 3628 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3407 | 220 ohm, 5%, 3W, Power Resistor. . . . .                         | 3198 012 32210 | 3630 | 2.2k, 5%. . . . .                          | 3198 021 52220 |
| 3408 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 3632 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3410 | 33k, 5%. . . . .   | 3198 021 53330 | 3636 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3411 | 10 ohm, 5% Fusible Resistor NFR25. . . . .                       | 2306 204 03109 | 3681 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3412 | 3.3k, 1%, Metal Film . . . . .                                   | 2322 156 23302 | 3682 | 3.3k, 5%. . . . .                          | 3198 021 53320 |
| 3413 | 10k, 5%. . . . .   | 3198 021 51030 | 3683 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3414 | 1.5k, 1%, Metal Film . . . . .                                   | 2322 156 21502 | 3684 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3415 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 3685 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3416 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3686 | 1.5k, 5%. . . . .                          | 3198 021 51520 |
| 3417 | 33k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 03330 | 3691 | 330 ohm, 5%. . . . .                       | 3198 021 53310 |
| 3418 | 33k, 5%. . . . .   | 3198 021 53330 | 3693 | 220 ohm, 5%. . . . .                       | 3198 021 52210 |
| 3419 | 6.8k, 5%. . . . .  | 3198 021 56820 | 3694 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3420 | 33k, 5%. . . . .   | 3198 021 53330 | 3901 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3421 | 6.8 ohm, 5%, 2W, Power Resistor. . . . .                         | 3198 012 26880 | 3902 | 3.3k, 5%. . . . .                          | 3198 021 53320 |
| 3422 | 100 ohm, 5%. . . . .   | 3198 021 51010 | 3903 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3423 | 820 ohm, 5%. . . . .   | 3198 021 58210 | 3904 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3424 | 100 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01010 | 3907 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3425 | 15k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01530 | 3941 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3426 | 1M, 5%. . . . .  | 3198 021 51050 | 3942 | 3.9k, 5%. . . . .                          | 3198 021 53920 |
| 3427 | 12k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01230 | 3943 | 2.7k, 5%. . . . .                          | 3198 021 52720 |
| 3428 | 39 ohm, 5% Fusible Resistor NFR25H . . . . .                     | 2306 207 03399 | 3944 | 2.7k, 5%. . . . .                          | 3198 021 52720 |
| 3431 | Zero ohm "Chip" Jumper . . . . .                                 | 3198 021 90020 | 3945 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3432 | 22 ohm, 5%, 1/6W Carbon. . . . .                                 | 3198 011 02290 | 3946 | 18k, 5%. . . . .                           | 3198 021 51830 |
| 3471 | 3.9 ohm, 1%, Metal Film. . . . .                                 | 2322 156 23908 | 3947 | 330 ohm, 5%. . . . .                       | 3198 021 53310 |
| 3472 | 3.9 ohm, 1%, Metal Film. . . . .                                 | 2322 156 23908 | 3948 | 47k, 5%. . . . .                           | 3198 021 54730 |
| 3473 | 2.2k, 1%, Metal Film . . . . .                                   | 2322 156 22202 | 3949 | 15k, 5%. . . . .                           | 3198 021 51530 |
| 3474 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 3950 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3475 | 2.2k, 1%, Metal Film . . . . .                                   | 2322 156 22202 | 3951 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3476 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                     | 2306 204 03158 | 3981 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3477 | 220 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02210 | 3982 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3478 | 220 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02210 | 4001 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3479 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 4002 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3500 | 3.3Meg, 5%. . . . .  | 2322 242 13335 | 4181 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3501 | 3.3Meg, 5%. . . . .  | 2322 242 13335 | 4212 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3502 | 4.7 ohm, 20%, 3.1W, Negative Temperature<br>Coefficient. . . . . | 2122 612 00055 | 4216 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3503 | 10 ohm, 30%, 120V, Positive Temperature<br>Coefficient. . . . .  | 2120 661 00026 | 4217 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3506 | Jumper Wire. . . . .   | 0322 179 00003 | 4410 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3507 | Surge Protector DSP-301N-A21F. . . . .                           | 2422 549 43073 | 4501 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3508 | 1.5Meg, 5%. . . . .  | 2322 242 13155 | 4613 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3519 | 270 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02710 | 4614 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3520 | 1.2k, 5%. . . . .  | 3198 021 51220 | 4615 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3521 | 4.7 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 04780 | 4616 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3522 | 330k, 5%. . . . .  | 3198 021 53340 | 4617 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3523 | 100 ohm, 5%, Fusible Resistor NFR25 . . . . .                    | 2306 204 03101 | 4618 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3524 | 56k, 5%. . . . .   | 3198 021 55630 | 4619 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3525 | 1k, 5%. . . . .  | 3198 021 51020 | 4622 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3526 | 0.15 ohm, 5%, 1W, Power Resistor . . . . .                       | 3198 012 11570 | 4623 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3527 | 2.2k ohm, 5%, Fusible Resistor NFR25 . . . . .                   | 2306 204 03222 | 4691 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3528 | 10k, 5%. . . . .   | 3198 021 51030 | 4692 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3529 | 47k, 5%. . . . .   | 3198 021 54730 | 4693 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |  |                | 4807 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |  |                | 4811 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |

S = Safety Part Be sure to use exact replacement part.

## 19PR16C121 (continued)

|      |  |      |     |       |      |  |      |     |       |
|------|--|------|-----|-------|------|--|------|-----|-------|
| 4812 | Zero ohm "Chip" Jumper . . . . .                 | 3198 | 021 | 90020 | 7402 | Power Transistor BUT11APX-1200 . . . . . | 9340 | 563 | 21127 |
| 4813 | Zero ohm "Chip" Jumper . . . . .                 | 3198 | 021 | 90020 | 7403 | Transistor BC337-25. . . . .             | 3198 | 020 | 43530 |
| 4814 | Zero ohm "Chip" Jumper . . . . .                 | 3198 | 021 | 90020 | 7404 | Transistor BC636 . . . . .               | 9332 | 219 | 50126 |
| 4901 | Zero ohm "Chip" Jumper . . . . .                 | 3198 | 021 | 90020 | 7405 | Transistor BC857B . . . . .              | 3198 | 010 | 42150 |
| 4911 | Zero ohm "Chip" Jumper . . . . .                 | 3198 | 021 | 90020 | 7406 | Transistor BC857B . . . . .              | 3198 | 010 | 42150 |
| 4982 | Zero ohm "Chip" Jumper . . . . .                 | 3198 | 021 | 90020 | 7407 | Power Transistor BD135-16. . . . .       | 3198 | 020 | 41190 |
| 5001 | Fixed Inductor, 5.6uH, 10%. . . . .              | 3198 | 018 | 25680 | 7408 | Power Transistor BD135-17. . . . .       | 3198 | 020 | 41190 |
| 5002 | Fixed Inductor, 0.82uH, 10%. . . . .             | 3198 | 018 | 18270 | 7409 | Transistor BC857B . . . . .              | 3198 | 010 | 42150 |
| 5201 | Fixed Inductor, 6.8uH, 5%. . . . .               | 3198 | 018 | 16880 | 7471 | IC, TDA9302H . . . . .                   | 9322 | 088 | 25682 |
| 5202 | Fixed Inductor, 10uH, 10%. . . . .               | 3198 | 018 | 21090 | 7515 | Opto-Coupler, TCET1103(G). . . . .       | 9322 | 140 | 14667 |
| 5241 | Fixed Inductor, 10uH, 10%. . . . .               | 3198 | 018 | 21090 | 7520 | IC, TEA1507P/N1. . . . .                 | 9352 | 673 | 56112 |
| 5242 | Fixed Inductor, 10uH, 5%. . . . .                | 3198 | 018 | 11090 | 7521 | Power FET, STP5NC50FP. . . . .           | 9322 | 160 | 71687 |
| 5341 | Fixed Inductor, 22uH, 5% SPT0508 . . . . .       | 2422 | 535 | 95365 | 7522 | Transistor BC847B . . . . .              | 3198 | 010 | 42030 |
| 5342 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 | 018 | 90010 | 7540 | Transistor BC547B. . . . .               | 3198 | 020 | 40030 |
| 5408 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 | 535 | 95366 | 7541 | Transistor PDTCL144ET. . . . .           | 9340 | 310 | 10215 |
| 5410 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 | 535 | 95366 | 7542 | Transistor BC857B . . . . .              | 3198 | 010 | 42150 |
| 5444 | Signal Driver Transformer SC10009-03. . . . .    | 2422 | 531 | 02446 | 7560 | IC, L78L33ACZ. . . . .                   | 9322 | 134 | 92676 |
| 5445 | LOT Transformer MSLOT4 . . . . .                 | 3128 | 138 | 21541 | 7561 | Transistor PDTCL143ZT. . . . .           | 9340 | 547 | 00215 |
| 5502 | AC Filter. . . . .                               | 2422 | 549 | 44284 | 7580 | Transistor BC857B . . . . .              | 3198 | 010 | 42150 |
| 5520 | Transformer SS28011-04. . . . .                  | 2422 | 531 | 02458 | 7602 | IC M24C16-WBN6 . . . . .                 | 9322 | 147 | 25682 |
| 5521 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 | 018 | 90010 | 7902 | IC, AN7523N. . . . .                     | 9322 | 158 | 66667 |
| 5560 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 | 018 | 90010 | 7941 | Transistor BC847B . . . . .              | 3198 | 010 | 42030 |
| 5561 | Fixed Inductor, 27uH, 10%. . . . .               | 3198 | 018 | 22790 | 7942 | Transistor BC847B . . . . .              | 3198 | 010 | 42030 |
| 5562 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 | 018 | 90010 | 7943 | Transistor BC847B . . . . .              | 3198 | 010 | 42030 |
| 5563 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 | 018 | 90010 | 9181 | Jumper Wire. . . . .                     | 0322 | 179 | 00003 |
| 5602 | Fixed Inductor, 5.6uH, 5%. . . . .               | 3198 | 018 | 15680 | 9403 | Jumper Wire. . . . .                     | 0322 | 179 | 00003 |
| 5603 | Fixed Inductor, 5.6uH, 5%. . . . .               | 3198 | 018 | 15680 | 9692 | Jumper Wire. . . . .                     | 0322 | 179 | 00003 |
| 5604 | Fixed Inductor, 5.6uH, 5%. . . . .               | 3198 | 018 | 15680 | 9696 | Jumper Wire. . . . .                     | 0322 | 179 | 00003 |
| 5833 | Jumper Wire. . . . .                             | 0322 | 179 | 00003 | 9814 | Jumper Wire. . . . .                     | 0322 | 179 | 00003 |
| 6001 | Diode Regulator, BZX79-C33 (33Volt). . . . .     | 3198 | 010 | 23390 | 9820 | Jumper Wire. . . . .                     | 0322 | 179 | 00003 |
| 6201 | Diode, BAV21 . . . . .                           | 3198 | 010 | 10630 | 9821 | Jumper Wire. . . . .                     | 0322 | 179 | 00003 |
| 6202 | Diode, BAS316 . . . . .                          | 3198 | 010 | 10630 | 9822 | Jumper Wire. . . . .                     | 0322 | 179 | 00003 |
| 6206 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 | 020 | 56880 | 9824 | Jumper Wire. . . . .                     | 0322 | 179 | 00003 |
| 6241 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 | 020 | 56880 | 9825 | Jumper Wire. . . . .                     | 0322 | 179 | 00003 |
| 6311 | Diode, BAV21 . . . . .                           | 3198 | 010 | 10070 | 9826 | Jumper Wire. . . . .                     | 0322 | 179 | 00003 |
| 6321 | Diode, BAV21 . . . . .                           | 3198 | 010 | 10070 | 9827 | Jumper Wire. . . . .                     | 0322 | 179 | 00003 |
| 6331 | Diode, BAV21 . . . . .                           | 3198 | 010 | 10070 | 9828 | Jumper Wire. . . . .                     | 0322 | 179 | 00003 |
| 6341 | Diode, BAV21 . . . . .                           | 3198 | 010 | 10070 | 9829 | Jumper Wire. . . . .                     | 0322 | 179 | 00003 |
| 6342 | Diode, 1N4148. . . . .                           | 3198 | 010 | 10010 | 9830 | Jumper Wire. . . . .                     | 0322 | 179 | 00003 |
| 6343 | Diode Regulator, BZX384-C8V2 (8.2Volt) . . . . . | 3198 | 020 | 58280 | 9832 | Jumper Wire. . . . .                     | 0322 | 179 | 00003 |
| 6401 | Diode, BAV21 . . . . .                           | 3198 | 010 | 10070 | 9833 | Jumper Wire. . . . .                     | 0322 | 179 | 00003 |
| 6402 | Diode Rectifier, BYV27-200 . . . . .             | 9322 | 126 | 72673 | 9982 | Jumper Wire. . . . .                     | 0322 | 179 | 00003 |
| 6404 | Diode Rectifier, BYD33D. . . . .                 | 9337 | 410 | 30133 | 7200 | IC, TDA9587H/N1/3/0482 . . . . .         | 9352 | 699 | 88557 |
| 6405 | Diode Rectifier, BYD33D. . . . .                 | 9337 | 234 | 00133 | CBA  | Main Chassis . . . . .                   | 3139 | 178 | 88971 |
| 6406 | Diode, BAV70. . . . .                            | 9331 | 849 | 10215 |      |  |      |     |       |
| 6407 | Diode, BAS316 . . . . .                          | 3198 | 010 | 10630 |      |  |      |     |       |
| 6408 | Diode, BAS316 . . . . .                          | 3198 | 010 | 10630 |      |  |      |     |       |
| 6409 | Diode Rectifier, BYD33D. . . . .                 | 9337 | 234 | 00133 |      |  |      |     |       |
| 6410 | Diode Rectifier, BYD33D. . . . .                 | 9337 | 234 | 00133 |      |  |      |     |       |
| 6413 | Diode, 1N4148. . . . .                           | 3198 | 010 | 10010 |      |  |      |     |       |
| 6414 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 | 668 | 30133 |      |  |      |     |       |
| 6415 | Diode, BAS316 . . . . .                          | 3198 | 010 | 10630 |      |  |      |     |       |
| 6419 | Diode Regulator, BZX79-C5V6 (5.6Volt). . . . .   | 3198 | 010 | 25680 |      |  |      |     |       |
| 6420 | Diode Regulator, BZX79-C9V1 (9.1Volt). . . . .   | 9331 | 177 | 80133 |      |  |      |     |       |
| 6423 | Diode Rectifier, BYD33D. . . . .                 | 9337 | 234 | 00133 |      |  |      |     |       |
| 6471 | Diode Rectifier, BYD33D. . . . .                 | 9337 | 234 | 00133 |      |  |      |     |       |
| 6500 | Diode Rectifier, 1N5062. . . . .                 | 3198 | 010 | 10120 |      |  |      |     |       |
| 6501 | Diode Rectifier, 1N5062. . . . .                 | 3198 | 010 | 10120 |      |  |      |     |       |
| 6502 | Diode Rectifier, 1N5062. . . . .                 | 3198 | 010 | 10120 |      |  |      |     |       |
| 6503 | Diode Rectifier, 1N5062. . . . .                 | 3198 | 010 | 10120 |      |  |      |     |       |
| 6520 | Diode Rectifier, BYD33D. . . . .                 | 9337 | 234 | 00133 |      |  |      |     |       |
| 6523 | Diode, 1N4148. . . . .                           | 3198 | 010 | 10010 |      |  |      |     |       |
| 6540 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 | 668 | 30133 |      |  |      |     |       |
| 6541 | Diode Regulator, BZX79-C10 (10Volt). . . . .     | 3198 | 010 | 21090 |      |  |      |     |       |
| 6560 | Diode Rectifier, BYW76-RAS15/10. . . . .         | 9322 | 127 | 32682 |      |  |      |     |       |
| 6561 | Diode Rectifier, BYW76-RAS15/10. . . . .         | 9322 | 127 | 32682 |      |  |      |     |       |
| 6562 | Diode Rectifier, EGP20DL-5100. . . . .           | 9322 | 164 | 42682 |      |  |      |     |       |
| 6563 | Diode, BAS316 . . . . .                          | 3198 | 010 | 10630 |      |  |      |     |       |
| 6565 | Diode, BAV70. . . . .                            | 9331 | 849 | 10215 |      |  |      |     |       |
| 6566 | Diode, BAS316 . . . . .                          | 3198 | 010 | 10630 |      |  |      |     |       |
| 6569 | Diode, BAS316 . . . . .                          | 3198 | 010 | 10630 |      |  |      |     |       |
| 6570 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 | 020 | 56880 |      |  |      |     |       |
| 6580 | Diode, BAS316 . . . . .                          | 3198 | 010 | 10630 |      |  |      |     |       |
| 6581 | Diode, BAS316 . . . . .                          | 3198 | 010 | 10630 |      |  |      |     |       |
| 6681 | Diode, BAT85 . . . . .                           | 9336 | 247 | 60133 |      |  |      |     |       |
| 6691 | LED, VS LTL-10224WHCR. . . . .                   | 9322 | 050 | 99682 |      |  |      |     |       |
| 6692 | IR Receiver, TSOP1836UH3V. . . . .               | 9322 | 127 | 54667 |      |  |      |     |       |
| 6901 | Diode, BAS316 . . . . .                          | 3198 | 010 | 10630 |      |  |      |     |       |
| 7200 | IC, 2US1 Software Cluster. . . . .               | 9352 | 699 | 88557 |      |  |      |     |       |
| 7201 | Transistor BC847B . . . . .                      | 3198 | 010 | 42030 |      |  |      |     |       |
| 7204 | Transistor BC857B . . . . .                      | 3198 | 010 | 42150 |      |  |      |     |       |
| 7241 | Transistor PDTA114ET. . . . .                    | 3198 | 010 | 44010 |      |  |      |     |       |
| 7311 | Transistor BF422 . . . . .                       | 3198 | 020 | 43010 |      |  |      |     |       |
| 7312 | Transistor BF422 . . . . .                       | 3198 | 020 | 43010 |      |  |      |     |       |
| 7313 | Transistor BF423 . . . . .                       | 3198 | 020 | 43020 |      |  |      |     |       |
| 7321 | Transistor BF422 . . . . .                       | 3198 | 020 | 43010 |      |  |      |     |       |
| 7322 | Transistor BF422 . . . . .                       | 3198 | 020 | 43010 |      |  |      |     |       |
| 7323 | Transistor BF423 . . . . .                       | 3198 | 020 | 43020 |      |  |      |     |       |
| 7331 | Transistor BF422 . . . . .                       | 3198 | 020 | 43010 |      |  |      |     |       |
| 7332 | Transistor BF422 . . . . .                       | 3198 | 020 | 43010 |      |  |      |     |       |
| 7333 | Transistor BF423 . . . . .                       | 3198 | 020 | 43020 |      |  |      |     |       |
| 7401 | Transistor PDTCL143ZT. . . . .                   | 9340 | 547 | 00215 |      |  |      |     |       |

S = Safety Part Be sure to use exact replacement part.

19PR16C122 - Manual no. 7602

## Main Chassis

|        |   |      |     |       |        |                                    |      |     |       |
|--------|---|------|-----|-------|--------|------------------------------------|------|-----|-------|
|        | Main Chassis                            |      |     |       | 2414   | 1000uF, 20%, 16 Volt, Electrolytic | 2020 | 021 | 91049 |
| 0139   | IC-SPRING 7402                          | 3139 | 121 | 24581 | 2416   | 820pF, 10%, 2kV, Ceramic           | 2020 | 558 | 90486 |
| 7200   | IC, ZUSI Software Cluster               | 9352 | 699 | 88557 | 2417   | 1000uF, 20%, 16 Volt, Electrolytic | 2020 | 021 | 91049 |
| 0040   | 2 Pin Cinch Cover, (Insert on 2 Pin Cin |      |     |       | 2418   | 0.01uF., 50 Volt, Ceramic          | 3198 | 017 | 01030 |
|        | ch (FRONT)).                            | 3139 | 124 | 23601 | 2419   | 1uF., 20%, 50V, Electrolytic       | 2020 | 021 | 91147 |
| 0121   | Heatsink, Line                          | 3139 | 121 | 26992 | 2420   | 1.0uF., 20%, 50V, Electrolytic     | 3198 | 025 | 51080 |
| 0122   | Frame, Heatsink.                        | 3139 | 121 | 26952 | 2421   | 0.047uF., 50 Volt, Ceramic         | 3198 | 017 | 24730 |
| 0124   | Heatsink                                | 3139 | 121 | 26941 | 2422   | 470uF, 20%, 16 Volt, Electrolytic  | 2020 | 021 | 91577 |
| 0127   | Socket, Fuse Holder.                    | 3122 | 358 | 71251 | 2423   | 10uF, 20%, 100V, Electrolytic      | 2020 | 021 | 90813 |
| 0137   | Spring                                  | 3139 | 121 | 24581 | 2471   | 0.1uF., 10%, 50 Volt, Polyester.   | 3198 | 014 | 01040 |
| 0138   | Spring, IC                              | 3104 | 301 | 22081 | 2472   | 0.1uF., 10%, 50 Volt, Polyester.   | 3198 | 014 | 01040 |
| 0139   | Spring                                  | 3122 | 121 | 24786 | 2473   | 100uF, 20%, 50V, Electrolytic      | 2020 | 021 | 90587 |
| 0152   | Cable Assembly                          | 3104 | 301 | 09421 | 2475   | 470pF., 50 Volt, NP0, Ceramic      | 3198 | 016 | 04710 |
| 0211   | 2 Pin Connector.                        | 2422 | 025 | 16269 | 2476   | 0.22uF., 10%, 50 Volt, Polyester   | 3198 | 014 | 02240 |
| 0212   | 2 Pin Connector.                        | 2422 | 025 | 16375 | 2477   | 470pF., 50 Volt, NP0, Ceramic      | 3198 | 016 | 04710 |
| 0217   | 3 Pin Connector.                        | 2412 | 020 | 00725 | S 2500 | 0.47uF, 20%, 275 V, Polypropylene  | 2222 | 336 | 29148 |
| 0218   | 2 Pin Board Connector.                  | 2422 | 026 | 04637 | 2501   | 2200pF., 1kV, Ceramic.             | 3198 | 019 | 52220 |
| 0220   | 3 Pin Connector.                        | 2422 | 025 | 04851 | 2502   | 2200pF., 1kV, Ceramic.             | 3198 | 019 | 52220 |
| 0221   | 4 Pin Connector.                        | 2422 | 025 | 15503 | 2503   | 220uF, 20%, 200 Volt, Electrolytic | 2020 | 024 | 90557 |
| 0222   | 2 Pin Connector.                        | 2422 | 025 | 10646 | 2506   | 2200pF., 1kV, Ceramic.             | 3198 | 019 | 52220 |
| 0232   | Headphone Jack                          | 2422 | 026 | 04747 | 2508   | 470pF., 10%, 1kV, Ceramic.         | 3198 | 019 | 64710 |
| 0243   | 6 Pin Connector.                        | 2422 | 025 | 04854 | S 2515 | 1500pF, 20%, 250 Volt, Ceramic     | 2020 | 554 | 90128 |
| 0244   | 3 Pin Connector.                        | 2422 | 025 | 04851 | 2520   | 0.1uF., 16 Volt, Ceramic           | 3198 | 017 | 01040 |
| 0245   | 6 Pin Connector.                        | 2422 | 025 | 04854 | 2521   | 22uF., 20%, 50V, Electrolytic.     | 3198 | 025 | 52290 |
| 0246   | 3 Pin Connector.                        | 2412 | 020 | 00725 | 2522   | 0.1uF., 16 Volt, Ceramic           | 3198 | 017 | 01040 |
| 0254   | CRT Socket, 9 Pin, M-Neck.              | 2422 | 500 | 80068 | 2523   | 1500pF, 10%, 2kV, Ceramic.         | 2020 | 558 | 90489 |
| 1000   | Tuner, PLL, ENV56D98G3                  | 2422 | 542 | 90108 | 2525   | 470pF., 50 Volt, Ceramic           | 3198 | 017 | 04710 |
| 1002   | SAW Filter, 45.75MHz                    | 2422 | 549 | 44518 | 2526   | 1000pF., 50 Volt, Ceramic          | 3198 | 017 | 01020 |
| 1200   | Ceramic Filter, 4.5MHz                  | 2422 | 549 | 40807 | 2527   | 470pF., 50 Volt, Ceramic           | 3198 | 017 | 04710 |
| S 1500 | Fuse, 4 Amp, 250 Volt                   | 2422 | 086 | 10869 | 2540   | 0.015uF., 50 Volt, Ceramic         | 3198 | 017 | 01530 |
| S 1500 | Fuse, 4 A, 250V.                        | 2422 | 086 | 10914 | 2560   | 1000pF., 10%, 1kV, Ceramic         | 3198 | 019 | 61020 |
| S 1515 | Relay, 1 Pin, 12 Volt, 5 Amp            | 2422 | 132 | 07444 | 2561   | 47uF, 20%, 160V, Electrolytic.     | 2020 | 021 | 91358 |
| 1600   | Tactile Switch                          | 2422 | 128 | 02742 | 2562   | 1000pF, 50 Volt, Ceramic           | 3198 | 019 | 11020 |
| 1601   | Tactile Switch                          | 2422 | 128 | 02742 | 2563   | 0.1uF., 10%, 50 Volt, Polyester.   | 3198 | 014 | 01040 |
| 1602   | Tactile Switch                          | 2422 | 128 | 02742 | 2564   | 2200uF, 20%, 16 Volt, Electrolytic | 2020 | 012 | 93057 |
| 1603   | Tactile Switch                          | 2422 | 128 | 02742 | 2565   | 470pF., 10%, 1kV, Ceramic          | 3198 | 019 | 64710 |
| 1606   | Tactile Switch                          | 2422 | 128 | 02742 | 2567   | 47uF., 20%, 25V, Electrolytic      | 3198 | 025 | 34790 |
| 1660   | Crystal Resonator, 12.000 MHz.          | 2422 | 543 | 01203 | 2568   | 1.0uF., 20%, 50V, Electrolytic     | 3198 | 025 | 51080 |
| 2004   | 0.047uF., 25 Volt, Ceramic              | 3198 | 023 | 04730 | 2569   | 470pF., 50 Volt, Ceramic           | 3198 | 017 | 04710 |
| 2005   | 10uF., 20%, 50V, Electrolytic.          | 3198 | 025 | 51090 | 2580   | 47uF., 20%, 25V, Electrolytic.     | 3198 | 025 | 34790 |
| 2006   | 470uF., 20%, 16V, Electrolytic          | 3198 | 025 | 24710 | 2601   | 0.22uF., 25V, Ceramic.             | 3198 | 023 | 22240 |
| 2007   | 0.1uF., 25V, Ceramic                    | 3198 | 023 | 21040 | 2602   | 100pF., 50 Volt, NP0, Ceramic.     | 3198 | 016 | 01010 |
| 2008   | 100uF., 20%, 25V, Electrolytic          | 3198 | 025 | 31010 | 2606   | 1000pF., 50 Volt, NP0, Ceramic     | 3198 | 016 | 01020 |
| 2009   | 0.022uF., 50 Volt, Ceramic.             | 3198 | 017 | 02230 | 2607   | 33pF., 5%, 50V, NP0, Ceramic       | 3198 | 016 | 03390 |
| 2181   | 22pF., 50 Volt, NP0, Ceramic            | 3198 | 016 | 02290 | 2608   | 1uF., 16V, Ceramic                 | 3198 | 017 | 21050 |
| 2182   | 330pF., 50 Volt, NP0, Ceramic.          | 3198 | 016 | 03310 | 2609   | 33pF., 5%, 50V, NP0, Ceramic       | 3198 | 016 | 03390 |
| 2184   | 2.2uF., 10 Volt, Ceramic                | 3198 | 017 | 22250 | 2611   | 1uF., 16V, Ceramic                 | 3198 | 017 | 21050 |
| 2202   | 0.1uF., 25V, Ceramic                    | 3198 | 023 | 21040 | 2612   | 68pF., 50 Volt, NP0, Ceramic       | 3198 | 016 | 06890 |
| 2203   | 0.1uF., 25V, Ceramic                    | 3198 | 023 | 21040 | 2613   | 68pF., 50 Volt, NP0, Ceramic       | 3198 | 016 | 06890 |
| 2204   | 0.1uF., 25V, Ceramic                    | 3198 | 023 | 21040 | 2615   | 1000pF., 50 Volt, NP0, Ceramic     | 3198 | 016 | 01020 |
| 2205   | 0.22uF., 25V, Ceramic.                  | 3198 | 023 | 22240 | 2618   | 1uF., 16V, Ceramic                 | 3198 | 017 | 21050 |
| 2208   | 0.1uF., 25V, Ceramic                    | 3198 | 023 | 21040 | 2619   | 1uF., 16V, Ceramic                 | 3198 | 017 | 21050 |
| 2209   | 4.7uF., 20%, 50V, Electrolytic          | 3198 | 025 | 54780 | 2691   | 100uF., 20%, 25V, Electrolytic     | 3198 | 025 | 31010 |
| 2210   | 0.47uF., 20%, 50V, Electrolytic.        | 3198 | 025 | 54770 | 2902   | 220uF., 20%, 50V, Electrolytic     | 3198 | 026 | 52210 |
| 2211   | 0.47uF., 16 Volt, Ceramic.              | 3198 | 017 | 24740 | 2903   | 1.0uF., 20%, 50V, Electrolytic     | 3198 | 025 | 51080 |
| 2216   | 470uF, 20%, 16V, Electrolytic           | 3198 | 025 | 24710 | 2904   | 1uF., 16V, Ceramic                 | 3198 | 017 | 21050 |
| 2217   | 0.022uF., 50 Volt, Ceramic.             | 3198 | 017 | 02230 | 2905   | 1000pF., 50 Volt, NP0, Ceramic     | 3198 | 016 | 01020 |
| 2219   | 0.22uF., 25V, Ceramic.                  | 3198 | 023 | 22240 | 2908   | 10uF., 20%, 50V, Electrolytic.     | 3198 | 025 | 51090 |
| 2226   | 4700pF., 50 Volt, Ceramic.              | 3198 | 017 | 04720 | 2941   | 1.0uF., 20%, 50V, Electrolytic     | 3198 | 025 | 51080 |
| 2227   | 4700pF., 50 Volt, Ceramic.              | 3198 | 017 | 04720 | 2942   | 0.047uF., 10%, 50V, Ceramic.       | 3198 | 017 | 03330 |
| 2228   | 820pF., 50 Volt, NP0, Ceramic.          | 3198 | 016 | 08210 | 2943   | 0.1uF., 16 Volt, Ceramic           | 3198 | 017 | 01040 |
| 2229   | 10uF., 20%, 50V, Electrolytic.          | 3198 | 025 | 51090 | 2944   | 0.047uF., 50 Volt, Ceramic         | 3198 | 017 | 24730 |
| 2233   | 820pF., 50 Volt, NP0, Ceramic.          | 3198 | 016 | 08210 | 2945   | 0.01uF., 50 Volt, Ceramic          | 3198 | 017 | 01030 |
| 2241   | 1500pF., 50 Volt, Ceramic.              | 3198 | 017 | 01520 | 2946   | 1uF., 16V, Ceramic                 | 3198 | 017 | 21050 |
| 2242   | 1uF., 16V, Ceramic                      | 3198 | 017 | 21050 | 2981   | 10uF., 20%, 50V, Electrolytic.     | 3198 | 025 | 51090 |
| 2243   | 2200pF., 50 Volt, Ceramic.              | 3198 | 017 | 02220 | 2982   | 470pF., 50 Volt, NP0, Ceramic.     | 3198 | 016 | 04710 |
| 2244   | 0.1uF., 10%, 63V, Metalized Polyester.  | 2222 | 370 | 75104 | 2983   | 10uF., 20%, 50V, Electrolytic.     | 3198 | 025 | 51090 |
| 2245   | 0.22uF., 25V, Ceramic.                  | 3198 | 023 | 22240 | 2984   | 470pF., 50 Volt, NP0, Ceramic.     | 3198 | 016 | 04710 |
| 2246   | 4.7uF., 20%, 50V, Electrolytic          | 3198 | 025 | 54780 | 3000   | 100 ohm, 5%, 1/6 W, Carbon         | 3198 | 011 | 01010 |
| 2247   | 470uF., 20%, 16V, Electrolytic          | 3198 | 025 | 24710 | 3001   | 100 ohm, 5%, 1/6 W, Carbon         | 3198 | 011 | 01010 |
| 2248   | 0.022uF., 50 Volt, Ceramic.             | 3198 | 017 | 02230 | 3002   | Jumper, 0.05 ohm                   | 3198 | 021 | 90020 |
| 2249   | 0.022uF., 50 Volt, Ceramic.             | 3198 | 017 | 02230 | 3003   | 1.5k, 5%                           | 3198 | 021 | 51520 |
| 2250   | 2.2uF., 20%, 50V, Electrolytic          | 3198 | 025 | 52280 | 3004   | 8.2k, 5%,                          | 3198 | 021 | 58220 |
| 2252   | 1000pF., 50 Volt, NP0, Ceramic          | 3198 | 016 | 01020 | 3005   | 100 ohm, 5%, 1/6 W, Carbon         | 3198 | 011 | 01010 |
| 2253   | 1000pF., 50 Volt, NP0, Ceramic          | 3198 | 016 | 01020 | 3181   | 75 ohm, 5%, 1/6 W, Carbon.         | 3198 | 011 | 07590 |
| 2254   | 100pF., 50 Volt, NP0, Ceramic.          | 3198 | 016 | 01010 | 3182   | 100 ohm, 5%, 1/6 W, Carbon         | 3198 | 011 | 01010 |
| 2313   | 220pF., 50 Volt, NP0, Ceramic.          | 3198 | 016 | 02210 | 3183   | 150 ohm, 5%, 1/6 W, Carbon         | 3198 | 011 | 01510 |
| 2323   | 390pF., 50 Volt, NP0, Ceramic.          | 3198 | 016 | 03910 | 3184   | 47k, 5%.                           | 3198 | 021 | 54730 |
| 2331   | 390pF., 50 Volt, NP0, Ceramic.          | 3198 | 016 | 03910 | 3200   | 390 ohm, 5%, 1/6 W, Carbon         | 3198 | 011 | 03910 |
| 2341   | 2200pF, 10%, 1kV, Ceramic.              | 2020 | 558 | 90571 | 3201   | 100 ohm, 5%, 1/6 W, Carbon         | 3198 | 011 | 01010 |
| 2342   | 0.047uF, 10%, 250 V, Metalized Polyeste | 2222 | 365 | 45473 | 3202   | 100 ohm, 5%, 1/6 W, Carbon         | 3198 | 011 | 01010 |
| 2343   | 0.047uF, 10%, 250 V, Metalized Polyeste | 2222 | 365 | 45473 | 3203   | 100 ohm, 5%, 1/6 W, Carbon         | 3198 | 011 | 01010 |
| 2401   | 680pF., 50 Volt, Ceramic                | 3198 | 019 | 16810 | 3204   | 10k, 5%, 1/6 W, Carbon             | 3198 | 011 | 01030 |
| 2402   | 820nF, 250V, 5%, Polypropylene          | 2222 | 479 | 90029 | 3206   | 100k, 5%,                          | 3198 | 021 | 51040 |
| 2406   | 330pF, 50 Volt, NP0, Ceramic.           | 3198 | 016 | 03310 | 3207   | 1k, 5%, 1/6 W, Carbon.             | 3198 | 011 | 01020 |
| 2407   | 0.01uF., 5%, 1.6kV, Polypropylene.      | 2222 | 375 | 90154 | 3208   | 220 ohm 5%,                        | 3198 | 021 | 52210 |
| 2408   | 0.022uF., 50V, Ceramic                  | 3198 | 019 | 22230 | 3209   | 68 ohm, 5%                         | 3198 | 021 | 56890 |
| 2409   | 47uF, 20%, 160 Volt, Electrolytic.      | 2020 | 021 | 91139 | 3212   | 470 ohm, 5%,                       | 3198 | 021 | 54710 |
| 2410   | 470uF, 20%, 16 Volt, Electrolytic.      | 2020 | 021 | 91577 | 3213   | 560 ohm, 5%, 1/6W, Carbon.         | 3198 | 011 | 05610 |
| 2411   | 47uF., 20%, 25V, Electrolytic.          | 2020 | 021 | 90586 | 3217   | 330k, 5%                           | 3198 | 021 | 53340 |
| 2412   | 0.033uF, 10%, 100 V, Polyester          | 2222 | 347 | 90236 | 3218   | 82k, 5%,                           | 3198 | 021 | 58230 |

S = Safety Part      Be sure to use exact replacement part.

# 19PR16C122 (continued)

|        |  |                |        |  |                |
|--------|--|----------------|--------|--|----------------|
| 3219   | 2.2k, 5%, . . . . .                      | 3198 021 52220 | S 3526 | Power Resistor, 0.15 ohm, 5%, 1W . . . | 3198 012 11570 |
| 3226   | 560 ohm, 5%, . . . . .                   | 3198 021 55610 | S 3527 | Fusible Resistor, 2.2k, 5% . . . . .   | 2306 204 03222 |
| 3232   | 2.2k, 5%, . . . . .                      | 3198 021 52220 | 3528   | 10k, 5%, . . . . .                     | 3198 021 51030 |
| 3235   | 100 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01010 | 3529   | 47k, 5%, . . . . .                     | 3198 021 54730 |
| 3241   | 22k, 5%, . . . . .                       | 3198 021 52230 | 3530   | 4.7k, 5%, . . . . .                    | 3198 021 54720 |
| 3242   | 27k, 5%, . . . . .                       | 3198 021 52730 | 3531   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| 3244   | 820 ohm, 5%, 1/6W, Carbon Film . . . . . | 3198 011 08210 | 3541   | 470 ohm, 5%, . . . . .                 | 3198 021 54710 |
| 3245   | 39k, 5%, . . . . .                       | 3198 021 53930 | 3542   | 1.5k, 5% . . . . .                     | 3198 021 51520 |
| 3246   | 10k, 5%, . . . . .                       | 3198 021 51030 | 3543   | 82k, 1%, Metal Film . . . . .          | 2322 156 28203 |
| 3247   | 220k, 5%, . . . . .                      | 3198 021 52240 | 3544   | 6.8k, 1%, Metal Film . . . . .         | 2322 156 26802 |
| 3248   | 27k, 5%, . . . . .                       | 3198 021 52730 | 3545   | 82k, 5%, . . . . .                     | 3198 021 58230 |
| 3249   | 820 ohm, 5%, 1/6W, Carbon Film . . . . . | 3198 011 08210 | 3546   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| 3251   | 100 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01010 | S 3547 | Power Resistor, 0.33 ohm, 5%, 1 W . .  | 3198 012 13370 |
| 3254   | 1 Meg, 5%. . . . .                       | 3198 021 51050 | 3548   | 8.2k, 5%, . . . . .                    | 3198 021 58220 |
| 3256   | 1k, 5%, . . . . .                        | 3198 021 51020 | 3549   | 220 ohm, 5%, 1/6 W, Carbon . . . . .   | 3198 011 02210 |
| 3257   | 10 Meg, 5% . . . . .                     | 3198 021 51060 | 3552   | 10k, 5%, . . . . .                     | 3198 021 51030 |
| 3258   | 330k, 5% . . . . .                       | 3198 021 53340 | 3559   | 1k, 5%, . . . . .                      | 3198 021 51020 |
| 3259   | 470k, 5%, . . . . .                      | 3198 021 54740 | 3561   | 100 ohm, 5%, 1/6 W, Carbon . . . . .   | 3198 011 01010 |
| 3311   | 1.5k, 5% . . . . .                       | 3198 021 51520 | 3562   | 10k, 5%, . . . . .                     | 3198 021 51030 |
| 3312   | 330 ohm 5%, . . . . .                    | 3198 021 53310 | 3563   | 4.7k, 5%, . . . . .                    | 3198 021 54720 |
| 3313   | 10 ohm, 5% . . . . .                     | 3198 021 51090 | S 3564 | Power Resistor, 4.7 ohm, 5%, 2 W . .   | 3198 012 24780 |
| S 3314 | 18k, 5%, 3W, Metal Film. . . . .         | 2322 195 63183 | S 3565 | Power Resistor, 330 ohm, 5%, 1 W . .   | 3198 012 13310 |
| S 3316 | 68 ohm, 5%, Fusible Resistor . . . . .   | 2306 204 03689 | 3566   | 2.2k, 5%, . . . . .                    | 3198 021 52220 |
| S 3317 | 1.5k, 20%, 1/2W, Carbon Composition. .   | 3198 013 01520 | 3569   | 5.6k, 5% . . . . .                     | 3198 021 55620 |
| 3321   | 1.5k, 5% . . . . .                       | 3198 021 51520 | 3580   | 47k, 5%. . . . .                       | 3198 021 54730 |
| 3322   | 330 ohm 5%, . . . . .                    | 3198 021 53310 | 3603   | 100 ohm, 5%, 1/6 W, Carbon . . . . .   | 3198 011 01010 |
| 3323   | 10 ohm, 5% . . . . .                     | 3198 021 51090 | 3604   | 100 ohm, 5%, 1/6 W, Carbon . . . . .   | 3198 011 01010 |
| S 3324 | 18k, 5%, 3W, Metal Film. . . . .         | 2322 195 63183 | 3605   | 4.7k, 5%, . . . . .                    | 3198 021 54720 |
| S 3326 | 68 ohm, 5%, Fusible Resistor . . . . .   | 2306 204 03689 | 3606   | 2.2k, 5%, 1/6 W, Carbon. . . . .       | 3198 011 02220 |
| S 3327 | 1.5k, 20%, 1/2W, Carbon Composition. .   | 3198 013 01520 | 3607   | 2.2k, 5%, 1/6 W, Carbon. . . . .       | 3198 011 02220 |
| 3331   | 1.5k, 5% . . . . .                       | 3198 021 51520 | 3608   | 100 ohm, 5%, 1/6 W, Carbon . . . . .   | 3198 011 01010 |
| 3332   | 330 ohm 5%, . . . . .                    | 3198 021 53310 | 3611   | 100 ohm, 5%. . . . .                   | 3198 021 51010 |
| 3333   | 10 ohm, 5% . . . . .                     | 3198 021 51090 | 3614   | 4.7k, 5%, 1/4W, Carbon Film. . . . .   | 3198 011 04720 |
| S 3334 | 18k, 5%, 3W, Metal Film. . . . .         | 2322 195 63183 | 3615   | 10k, 5%, 1/6 W, Carbon . . . . .       | 3198 011 01030 |
| S 3336 | 68 ohm, 5%, Fusible Resistor . . . . .   | 2306 204 03689 | 3617   | 4.7k, 5%, 1/4W, Carbon Film. . . . .   | 3198 011 04720 |
| S 3337 | 1.5k, 20%, 1/2W, Carbon Composition. .   | 3198 013 01520 | 3618   | 6.8k, 5%, 1/6 W, Carbon. . . . .       | 3198 011 06820 |
| S 3341 | 1.5k, 20%, 1/2W, Carbon Composition. .   | 3198 013 01520 | 3619   | 8.2k, 5%, 1/6W, Carbon Film. . . . .   | 3198 011 08220 |
| S 3347 | 220 ohm, 5%, Fusible Resistor. . . . .   | 2306 204 03221 | 3622   | 100 ohm, 5%. . . . .                   | 3198 021 51010 |
| S 3348 | 1.5k, 20%, 1/2W, Carbon Composition. .   | 3198 013 01520 | 3623   | 4.7k, 5%, . . . . .                    | 3198 021 54720 |
| S 3349 | 1.2 ohm, 5%, Fusible Resistor. . . . .   | 2306 204 03128 | 3624   | 100 ohm, 5%, 1/6 W, Carbon . . . . .   | 3198 011 01010 |
| S 3350 | 1.2 ohm, 5%, Fusible Resistor. . . . .   | 2306 204 03128 | 3625   | 100 ohm, 5%, 1/6 W, Carbon . . . . .   | 3198 011 01010 |
| 3401   | 330k, 5%, 1/2W, Metalized Glass. . . . . | 2322 242 13334 | 3626   | 4.7k, 5%, . . . . .                    | 3198 021 54720 |
| 3402   | 18k, 5%, 1/6W, Carbon. . . . .           | 3198 011 01830 | 3627   | 4.7k, 5%, . . . . .                    | 3198 021 54720 |
| S 3403 | Power Resistor, 22 ohm, 5%, 3 W. . . . . | 3198 012 32290 | 3628   | 10k, 5%, . . . . .                     | 3198 021 51030 |
| S 3404 | Fusible Resistor, 6.8 ohm, 5%. . . . .   | 2306 204 03688 | 3630   | 2.2k, 5%, . . . . .                    | 3198 021 52220 |
| 3406   | 10k, 5%, 1/6 W, Carbon . . . . .         | 3198 011 01030 | 3632   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| S 3407 | 220 ohm, 5%, 3W, Metal Film. . . . .     | 2322 195 63221 | 3636   | 100 ohm, 5%. . . . .                   | 3198 021 51010 |
| 3408   | 1k, 5%, 1/6 W, Carbon. . . . .           | 3198 011 01020 | 3681   | 390 ohm, 5%, . . . . .                 | 3198 021 53910 |
| 3410   | 33k, 5%, . . . . .                       | 3198 021 53330 | 3682   | 3.3k, 5%, . . . . .                    | 3198 021 53320 |
| S 3411 | Fusible Resistor, 10 ohm, 5% . . . . .   | 2306 204 03109 | 3683   | 390 ohm, 5%, . . . . .                 | 3198 021 53910 |
| 3412   | 3.3k, 1%, Metal Film . . . . .           | 2322 156 23302 | 3684   | 560 ohm, 5%, . . . . .                 | 3198 021 55610 |
| 3413   | 10k, 5%, . . . . .                       | 3198 021 51030 | 3685   | 560 ohm, 5%, . . . . .                 | 3198 021 55610 |
| 3414   | 1.5k, 1%, Metal Film . . . . .           | 2322 156 21502 | 3686   | 1.5k, 5% . . . . .                     | 3198 021 51520 |
| 3415   | 1k, 5%, 1/6 W, Carbon. . . . .           | 3198 011 01020 | 3691   | 330 ohm 5%, . . . . .                  | 3198 021 53310 |
| S 3416 | 3.9 ohm, 5%, Fusible Resistor. . . . .   | 2306 207 03398 | 3693   | 220 ohm 5%, . . . . .                  | 3198 021 52210 |
| 3417   | 33k, 5%, 1/6W, Carbon. . . . .           | 3198 011 03330 | 3694   | 4.7k, 5%, . . . . .                    | 3198 021 54720 |
| 3418   | 33k, 5%, . . . . .                       | 3198 021 53330 | 3901   | 1k, 5%, . . . . .                      | 3198 021 51020 |
| 3419   | 6.8k, 5%, . . . . .                      | 3198 021 56820 | 3902   | 3.3k, 5%, . . . . .                    | 3198 021 53320 |
| 3420   | 33k, 5%, . . . . .                       | 3198 021 53330 | 3903   | 8.2k, 5%, . . . . .                    | 3198 021 58220 |
| S 3421 | Power Resistor, 6.8 ohm, 5%, 2 W . . .   | 3198 012 26880 | 3904   | 10k, 5%, . . . . .                     | 3198 021 51030 |
| 3422   | 100 ohm, 5%. . . . .                     | 3198 021 51010 | 3907   | 8.2k, 5%, . . . . .                    | 3198 021 58220 |
| 3423   | 820 ohm, 5%. . . . .                     | 3198 021 58210 | 3941   | 100 ohm, 5%. . . . .                   | 3198 021 51010 |
| 3424   | 100 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01010 | 3942   | 3.9k, 5% . . . . .                     | 3198 021 53920 |
| 3425   | 15k, 5%, 1/6 W, Carbon . . . . .         | 3198 011 01530 | 3943   | 2.7k, 5%, . . . . .                    | 3198 021 52720 |
| 3426   | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 3944   | 2.7k, 5%, . . . . .                    | 3198 021 52720 |
| 3427   | 12k, 5%, 1/6 W, Carbon . . . . .         | 3198 011 01230 | 3945   | 1k, 5%, . . . . .                      | 3198 021 51020 |
| S 3428 | 39 ohm, 5%, Fusible Resistor . . . . .   | 2306 207 03399 | 3946   | 18k, 5%, . . . . .                     | 3198 021 51830 |
| 3431   | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 3947   | 330 ohm 5%, . . . . .                  | 3198 021 53310 |
| 3432   | 22 ohm, 5%, 1/6W, Carbon . . . . .       | 3198 011 02290 | 3948   | 47k, 5%. . . . .                       | 3198 021 54730 |
| 3471   | 4.7 ohm, 1%, 0.6W, Metal Film. . . . .   | 2322 156 24708 | 3949   | 15k, 5%, . . . . .                     | 3198 021 51530 |
| 3472   | 4.7 ohm, 1%, 0.6W, Metal Film. . . . .   | 2322 156 24708 | 3950   | 560 ohm, 5%, . . . . .                 | 3198 021 55610 |
| 3473   | 2.2k, 1%, Metal Film . . . . .           | 2322 156 22202 | 3951   | 390 ohm, 5%, . . . . .                 | 3198 021 53910 |
| 3474   | 1k, 5%, 1/6 W, Carbon. . . . .           | 3198 011 01020 | 3981   | 120 ohm, 5%, 1/6W, Carbon Film . . .   | 3198 011 01210 |
| 3475   | 2.2k, 1%, Metal Film . . . . .           | 2322 156 22202 | 3982   | 120 ohm, 5%, 1/6W, Carbon Film . . .   | 3198 011 01210 |
| S 3476 | 1.5 ohm, 5%, Fusible resistor. . . . .   | 2306 204 03158 | 4001   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| 3477   | 220 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 02210 | 4002   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| 3478   | 220 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 02210 | 4181   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| 3479   | 1k, 5%, 1/6 W, Carbon. . . . .           | 3198 011 01020 | 4212   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| S 3500 | 3.3 Meg ohm, 5%, Metalized Glass . . .   | 2322 242 13335 | 4216   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| S 3501 | 3.3 Meg ohm, 5%, Metalized Glass . . .   | 2322 242 13335 | 4217   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| S 3502 | NTC, 4.7 ohm, 20%, 3 W . . . . .         | 2122 612 00055 | 4410   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| S 3503 | PTC, 10 ohm, 30%, 120 Volt . . . . .     | 2120 661 00026 | 4501   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| 3506   | 220 ohm, 20%, 1/2 W, Carbon. . . . .     | 3198 013 02210 | 4613   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| S 3507 | 300 V Surge Protector. . . . .           | 2422 549 43073 | 4614   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| 3508   | 1.5 Meg, 5%, Metalized Glass . . . . .   | 2322 242 13155 | 4615   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| 3519   | 270 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 02710 | 4616   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| 3520   | 1.2k, 5% . . . . .                       | 3198 021 51220 | 4617   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| 3521   | 4.7 ohm, 5%, 1/6W, Carbon. . . . .       | 3198 011 04780 | 4618   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| 3522   | 330k, 5% . . . . .                       | 3198 021 53340 | 4619   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| S 3523 | Fusible Resistor, 100 ohm, 5%. . . . .   | 2306 204 03101 | 4622   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| 3524   | 56k, 5%. . . . .                         | 3198 021 55630 | 4623   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |
| 3525   | 1k, 5%, . . . . .                        | 3198 021 51020 | 4691   | Jumper, 0.05 ohm . . . . .             | 3198 021 90020 |

S = Safety Part Be sure to use exact replacement part.

# 19PR16C122 (continued)

|        |   |                |        |  |                |
|--------|---|----------------|--------|--|----------------|
| 4692   | Jumper, 0.05 ohm . . . . .                        | 3198 021 90020 | 7331   | Transistor, Signal, BF422. . . . .       | 3198 020 43010 |
| 4693   | Jumper, 0.05 ohm . . . . .                        | 3198 021 90020 | 7332   | Transistor, Signal, BF422. . . . .       | 3198 020 43010 |
| 4807   | Jumper, 0.05 ohm . . . . .                        | 3198 021 90020 | 7333   | Transistor, Signal, BF423 . . . . .      | 3198 020 43020 |
| 4811   | Jumper, 0.05 ohm . . . . .                        | 3198 021 90020 | 7401   | Transistor, Signal, PDC143ZT. . . . .    | 9340 547 00215 |
| 4812   | Jumper, 0.05 ohm . . . . .                        | 3198 021 90020 | 7402   | Power Transistor, BUT11APX-1200. . . . . | 9340 563 21127 |
| 4813   | Jumper, 0.05 ohm . . . . .                        | 3198 021 90020 | 7403   | Transistor, Signal, BC337-25. . . . .    | 3198 020 43530 |
| 4814   | Jumper, 0.05 ohm . . . . .                        | 3198 021 90020 | 7404   | Transistor, Signal, BC636. . . . .       | 9332 219 50126 |
| 4901   | Jumper, 0.05 ohm . . . . .                        | 3198 021 90020 | 7405   | Transistor, Signal, BC857B . . . . .     | 3198 010 42150 |
| 4911   | Jumper, 0.05 ohm . . . . .                        | 3198 021 90020 | 7406   | Transistor, Signal, BC857B . . . . .     | 3198 010 42150 |
| 4982   | Jumper, 0.05 ohm . . . . .                        | 3198 021 90020 | S 7407 | Transistor, Power, BD135-16. . . . .     | 3198 020 41190 |
| 5001   | Fixed Inductor 5.6uH., 10% . . . . .              | 3198 018 25680 | S 7408 | Transistor, Power, BD135-16. . . . .     | 3198 020 41190 |
| 5002   | Fixed Inductor, 0.82uH., 10% . . . . .            | 3198 018 18270 | 7409   | Transistor, Signal, BC857B . . . . .     | 3198 010 42150 |
| 5201   | Fixed Inductor, 6.8uH., 5% . . . . .              | 3198 018 16880 | 7471   | IC, TDA9302H . . . . .                   | 9322 088 25682 |
| 5202   | Fixed Inductor, 10uH., 10% . . . . .              | 3198 018 21090 | S 7515 | Opto Coupler TCET1103. . . . .           | 9322 140 14667 |
| 5241   | Fixed Inductor, 10uH., 10% . . . . .              | 3198 018 21090 | 7520   | IC, TEA1507P/N1. . . . .                 | 9352 673 56112 |
| 5242   | Fixed Inductor, 10uH., 5% . . . . .               | 3198 018 11090 | 7521   | FET, Power, STP5NC50FP. . . . .          | 9322 160 71687 |
| 5341   | Inductor SPT0508 22uH., 5% . . . . .              | 2422 535 95365 | 7522   | Transistor, Signal, BC847B . . . . .     | 3198 010 42030 |
| 5342   | Fixed Inductor Bead, 100MHz, 50 ohm. . . . .      | 3198 018 90010 | 7540   | Transistor, Signal, BC547B . . . . .     | 3198 020 40030 |
| 5408   | Fixed Inductor, 27uH., 5%, SPT0508 . . . . .      | 2422 535 95366 | 7541   | Transistor, Signal, PDC114ET. . . . .    | 9340 310 10215 |
| 5410   | Fixed Inductor, 27uH., 5%, SPT0508 . . . . .      | 2422 535 95366 | 7542   | Transistor, Signal, BC857B . . . . .     | 3198 010 42150 |
| 5444   | Transformer, Signal Driver, SC10009-03 . . . . .  | 2422 531 02446 | 7560   | IC, LE33CZ . . . . .                     | 9322 106 11676 |
| 5445   | Transformer, LOT, MSL0T4 . . . . .                | 3128 138 21541 | 7561   | Transistor, Signal, PDC143ZT. . . . .    | 9340 547 00215 |
| S 5502 | AC Filter, 5MHz., 1 Amp. . . . .                  | 2422 549 44284 | 7580   | Transistor, Signal, BC857B . . . . .     | 3198 010 42150 |
| 5520   | Transformer, SMT Layer, SS28011-04 . . . . .      | 2422 531 02458 | 7602   | IC, M24C16-WBN6. . . . .                 | 9322 147 25682 |
| 5521   | Fixed Inductor Bead, 100MHz, 50 ohm. . . . .      | 3198 018 90010 | 7902   | IC, AN7523N. . . . .                     | 9322 158 66667 |
| 5560   | Fixed Inductor Bead, 100MHz, 50 ohm. . . . .      | 3198 018 90010 | 7941   | Transistor, Signal, BC847B . . . . .     | 3198 010 42030 |
| 5561   | Fixed Inductor 27uH., 10% . . . . .               | 3198 018 22790 | 7942   | Transistor, Signal, BC847B . . . . .     | 3198 010 42030 |
| 5562   | Fixed Inductor Bead, 100MHz, 50 ohm. . . . .      | 3198 018 90010 | 7943   | Transistor, Signal, BC847B . . . . .     | 3198 010 42030 |
| 5563   | Fixed Inductor Bead, 100MHz, 50 ohm. . . . .      | 3198 018 90010 | 9001   | Jumper . . . . .                         | 3198 036 90010 |
| 5602   | Fixed Inductor, 5.6uH., 5% . . . . .              | 3198 018 15680 | 9171   | Jumper . . . . .                         | 3198 036 90010 |
| 5603   | Fixed Inductor, 5.6uH., 5% . . . . .              | 3198 018 15680 | 9172   | Jumper . . . . .                         | 3198 036 90010 |
| 5604   | Fixed Inductor, 5.6uH., 5% . . . . .              | 3198 018 15680 | 9173   | Jumper . . . . .                         | 3198 036 90010 |
| 5833   | Jumper . . . . .                                  | 3198 036 90010 | 9174   | Jumper . . . . .                         | 3198 036 90010 |
| 6001   | Diode, Regulator, BZX79-C33, 33 Volt . . . . .    | 3198 010 23390 | 9175   | Jumper . . . . .                         | 3198 036 90010 |
| 6201   | Diode, Signal, BAS216. . . . .                    | 9340 255 30115 | 9177   | Jumper . . . . .                         | 3198 036 90010 |
| 6202   | Diode, Signal, BAS216. . . . .                    | 9340 255 30115 | 9181   | Jumper . . . . .                         | 3198 036 90010 |
| 6206   | Diode, Regulator, BZX284-C6V8, 6.8 Volt . . . . . | 9340 386 40115 | 9182   | Jumper . . . . .                         | 3198 036 90010 |
| 6241   | Diode, Regulator, BZX284-C6V8, 6.8 Volt . . . . . | 9340 386 40115 | 9183   | Jumper . . . . .                         | 3198 036 90010 |
| 6311   | Diode, Signal, BAV21 . . . . .                    | 3198 010 10070 | 9191   | Jumper . . . . .                         | 3198 036 90010 |
| 6321   | Diode, Signal, BAV21 . . . . .                    | 3198 010 10070 | 9192   | Jumper . . . . .                         | 3198 036 90010 |
| 6331   | Diode, Signal, BAV21 . . . . .                    | 3198 010 10070 | 9193   | Jumper . . . . .                         | 3198 036 90010 |
| 6341   | Diode, Signal, BAV21 . . . . .                    | 3198 010 10070 | 9301   | Jumper . . . . .                         | 3198 036 90010 |
| 6342   | Diode, Signal, 1SS135. . . . .                    | 9322 038 00673 | 9302   | Jumper . . . . .                         | 3198 036 90010 |
| 6343   | Diode, Regulator, BZX284-C, 8.2 Volt . . . . .    | 9340 386 60115 | 9303   | Jumper . . . . .                         | 3198 036 90010 |
| 6401   | Diode, Signal, BAV21 . . . . .                    | 3198 010 10070 | 9304   | Jumper . . . . .                         | 3198 036 90010 |
| 6402   | Diode, Rectifier, BYV27-200. . . . .              | 9322 126 72673 | 9402   | Jumper . . . . .                         | 3198 036 90010 |
| 6404   | Diode, Rectifier, BYD33M . . . . .                | 9337 410 30133 | 9403   | Jumper . . . . .                         | 3198 036 90010 |
| 6405   | Diode, Rectifier, BYD 33D. . . . .                | 9337 234 00133 | 9404   | Jumper . . . . .                         | 3198 036 90010 |
| 6406   | Diode, Signal, BAV70 . . . . .                    | 9331 849 10215 | 9420   | Jumper . . . . .                         | 3198 036 90010 |
| 6407   | Diode, Signal, BAS216. . . . .                    | 9340 255 30115 | 9421   | Jumper . . . . .                         | 3198 036 90010 |
| 6408   | Diode, Signal, BAS216. . . . .                    | 9340 255 30115 | 9425   | Jumper . . . . .                         | 3198 036 90010 |
| 6409   | Diode, Rectifier, BYD 33D. . . . .                | 9337 234 00133 | 9426   | Jumper . . . . .                         | 3198 036 90010 |
| 6410   | Diode, Rectifier, BYD 33D. . . . .                | 9337 234 00133 | 9427   | Jumper . . . . .                         | 3198 036 90010 |
| 6413   | Diode, Signal, 1N4148. . . . .                    | 3198 010 10010 | 9428   | Jumper . . . . .                         | 3198 036 90010 |
| 6414   | Diode, Regulator, BZX79-B6V2, 6.2 Volt . . . . .  | 9331 668 30133 | 9430   | Jumper . . . . .                         | 3198 036 90010 |
| 6415   | Diode, Signal, BAS216. . . . .                    | 9340 255 30115 | 9431   | Jumper . . . . .                         | 3198 036 90010 |
| 6419   | Diode, Regulator, BZX79-C5V6, 5.6 Volt . . . . .  | 9331 177 30133 | 9432   | Jumper . . . . .                         | 3198 036 90010 |
| 6420   | Diode, Regulator, BZX79-C9V1, 9.1 Volt . . . . .  | 9331 177 80133 | 9433   | Jumper . . . . .                         | 3198 036 90010 |
| 6423   | Diode, Rectifier, BYD 33D. . . . .                | 9337 234 00133 | 9434   | Jumper . . . . .                         | 3198 036 90010 |
| 6471   | Diode, Rectifier, BYD 33D. . . . .                | 9337 234 00133 | 9471   | Jumper . . . . .                         | 3198 036 90010 |
| 6500   | Diode, Rectifier, 1N5062 . . . . .                | 3198 010 10120 | 9500   | Jumper . . . . .                         | 3198 036 90010 |
| 6501   | Diode, Rectifier, 1N5062 . . . . .                | 3198 010 10120 | 9501   | Jumper . . . . .                         | 3198 036 90010 |
| 6502   | Diode, Rectifier, 1N5062 . . . . .                | 3198 010 10120 | 9504   | Jumper . . . . .                         | 3198 036 90010 |
| 6503   | Diode, Rectifier, 1N5062 . . . . .                | 3198 010 10120 | 9506   | Jumper . . . . .                         | 3198 036 90010 |
| 6520   | Diode, Rectifier, BYD 33D. . . . .                | 9337 234 00133 | 9507   | Jumper . . . . .                         | 3198 036 90010 |
| 6523   | Diode, Signal, 1N4148. . . . .                    | 3198 010 10010 | 9508   | Jumper . . . . .                         | 3198 036 90010 |
| 6540   | Diode, Regulator, BZX79-B6V2, 6.2 Volt . . . . .  | 9331 668 30133 | 9509   | Jumper . . . . .                         | 3198 036 90010 |
| 6541   | Diode, Regulator, BZX79-C10, 10 Volt . . . . .    | 3198 010 21090 | 9510   | Jumper . . . . .                         | 3198 036 90010 |
| 6560   | Diode, Rectifier, BYW76-RAS15/10. . . . .         | 9322 127 32682 | 9511   | Jumper . . . . .                         | 3198 036 90010 |
| 6561   | Diode, Rectifier, BYW76-RAS15/10. . . . .         | 9322 127 32682 | 9512   | Jumper . . . . .                         | 3198 036 90010 |
| 6562   | Diode, Rectifier, EGP20DL-5100 . . . . .          | 9322 164 42682 | 9513   | Jumper . . . . .                         | 3198 036 90010 |
| 6563   | Diode, Signal, BAS216. . . . .                    | 9340 255 30115 | 9514   | Jumper . . . . .                         | 3198 036 90010 |
| 6565   | Diode, Signal, BAV70 . . . . .                    | 9331 849 10215 | 9517   | Jumper . . . . .                         | 3198 036 90010 |
| 6566   | Diode, Signal, BAS216. . . . .                    | 9340 255 30115 | 9520   | Jumper . . . . .                         | 3198 036 90010 |
| 6569   | Diode, Signal, BAS216. . . . .                    | 9340 255 30115 | 9521   | Jumper . . . . .                         | 3198 036 90010 |
| 6570   | Diode, Regulator, BZX384-C, 6.8 Volt . . . . .    | 3198 020 56880 | 9522   | Jumper . . . . .                         | 3198 036 90010 |
| 6580   | Diode, Signal, BAS216. . . . .                    | 9340 255 30115 | 9523   | Jumper . . . . .                         | 3198 036 90010 |
| 6581   | Diode, Signal, BAS216. . . . .                    | 9340 255 30115 | 9524   | Jumper . . . . .                         | 3198 036 90010 |
| 6681   | Diode, Signal, BAT85 . . . . .                    | 9336 247 60133 | 9610   | Jumper . . . . .                         | 3198 036 90010 |
| 6691   | LED, VS LTL-10224WHCR . . . . .                   | 9322 050 99682 | 9611   | Jumper . . . . .                         | 3198 036 90010 |
| 6692   | IR Receiver, TSOP1836UH3VL . . . . .              | 9322 127 54667 | 9612   | Jumper . . . . .                         | 3198 036 90010 |
| 6901   | Jumper, 0.05 ohm . . . . .                        | 3198 021 90020 | 9613   | Jumper . . . . .                         | 3198 036 90010 |
| 7200   | IC, TDA9587H/N1/3/0482 . . . . .                  | 9352 699 88557 | 9614   | Jumper . . . . .                         | 3198 036 90010 |
| 7201   | Transistor, Signal, BC847B . . . . .              | 3198 010 42030 | 9615   | Jumper . . . . .                         | 3198 036 90010 |
| 7204   | Transistor, Signal, BC857B . . . . .              | 3198 010 42150 | 9616   | Jumper . . . . .                         | 3198 036 90010 |
| 7241   | Transistor, Signal, PDA114ET. . . . .             | 3198 010 44010 | 9617   | Jumper . . . . .                         | 3198 036 90010 |
| 7311   | Transistor, Signal, BF422. . . . .                | 3198 020 43010 | 9619   | Jumper . . . . .                         | 3198 036 90010 |
| 7312   | Transistor, Signal, BF422. . . . .                | 3198 020 43010 | 9620   | Jumper . . . . .                         | 3198 036 90010 |
| 7313   | Transistor, Signal, BF423 . . . . .               | 3198 020 43020 | 9621   | Jumper . . . . .                         | 3198 036 90010 |
| 7321   | Transistor, Signal, BF422. . . . .                | 3198 020 43010 | 9622   | Jumper . . . . .                         | 3198 036 90010 |
| 7322   | Transistor, Signal, BF422. . . . .                | 3198 020 43010 | 9623   | Jumper . . . . .                         | 3198 036 90010 |
| 7323   | Transistor, Signal, BF423 . . . . .               | 3198 020 43020 | 9624   | Jumper . . . . .                         | 3198 036 90010 |

S = Safety Part Be sure to use exact replacement part.

# 19PR16C122 (continued)

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| 9625 | Jumper | 3198 036 90010 |
| 9626 | Jumper | 3198 036 90010 |
| 9627 | Jumper | 3198 036 90010 |
| 9628 | Jumper | 3198 036 90010 |
| 9629 | Jumper | 3198 036 90010 |
| 9630 | Jumper | 3198 036 90010 |
| 9631 | Jumper | 3198 036 90010 |
| 9632 | Jumper | 3198 036 90010 |
| 9633 | Jumper | 3198 036 90010 |
| 9634 | Jumper | 3198 036 90010 |
| 9635 | Jumper | 3198 036 90010 |
| 9636 | Jumper | 3198 036 90010 |
| 9637 | Jumper | 3198 036 90010 |
| 9638 | Jumper | 3198 036 90010 |
| 9639 | Jumper | 3198 036 90010 |
| 9640 | Jumper | 3198 036 90010 |
| 9641 | Jumper | 3198 036 90010 |
| 9642 | Jumper | 3198 036 90010 |
| 9643 | Jumper | 3198 036 90010 |
| 9644 | Jumper | 3198 036 90010 |
| 9645 | Jumper | 3198 036 90010 |
| 9646 | Jumper | 3198 036 90010 |
| 9650 | Jumper | 3198 036 90010 |
| 9653 | Jumper | 3198 036 90010 |
| 9654 | Jumper | 3198 036 90010 |
| 9655 | Jumper | 3198 036 90010 |
| 9656 | Jumper | 3198 036 90010 |
| 9657 | Jumper | 3198 036 90010 |
| 9658 | Jumper | 3198 036 90010 |
| 9659 | Jumper | 3198 036 90010 |
| 9660 | Jumper | 3198 036 90010 |
| 9661 | Jumper | 3198 036 90010 |
| 9662 | Jumper | 3198 036 90010 |
| 9663 | Jumper | 3198 036 90010 |
| 9664 | Jumper | 3198 036 90010 |
| 9665 | Jumper | 3198 036 90010 |
| 9666 | Jumper | 3198 036 90010 |
| 9668 | Jumper | 3198 036 90010 |
| 9669 | Jumper | 3198 036 90010 |
| 9670 | Jumper | 3198 036 90010 |
| 9672 | Jumper | 3198 036 90010 |
| 9673 | Jumper | 3198 036 90010 |
| 9674 | Jumper | 3198 036 90010 |
| 9675 | Jumper | 3198 036 90010 |
| 9676 | Jumper | 3198 036 90010 |
| 9678 | Jumper | 3198 036 90010 |
| 9679 | Jumper | 3198 036 90010 |
| 9680 | Jumper | 3198 036 90010 |
| 9682 | Jumper | 3198 036 90010 |
| 9683 | Jumper | 3198 036 90010 |
| 9684 | Jumper | 3198 036 90010 |
| 9685 | Jumper | 3198 036 90010 |
| 9686 | Jumper | 3198 036 90010 |
| 9687 | Jumper | 3198 036 90010 |
| 9688 | Jumper | 3198 036 90010 |
| 9689 | Jumper | 3198 036 90010 |
| 9690 | Jumper | 3198 036 90010 |
| 9691 | Jumper | 3198 036 90010 |
| 9692 | Jumper | 3198 036 90010 |
| 9694 | Jumper | 3198 036 90010 |
| 9695 | Jumper | 3198 036 90010 |
| 9697 | Jumper | 3198 036 90010 |
| 9698 | Jumper | 3198 036 90010 |
| 9699 | Jumper | 3198 036 90010 |
| 9811 | Jumper | 3198 036 90010 |
| 9812 | Jumper | 3198 036 90010 |
| 9813 | Jumper | 3198 036 90010 |
| 9814 | Jumper | 3198 036 90010 |
| 9815 | Jumper | 3198 036 90010 |
| 9816 | Jumper | 3198 036 90010 |
| 9817 | Jumper | 3198 036 90010 |
| 9818 | Jumper | 3198 036 90010 |
| 9820 | Jumper | 3198 036 90010 |
| 9821 | Jumper | 3198 036 90010 |
| 9822 | Jumper | 3198 036 90010 |
| 9824 | Jumper | 3198 036 90010 |
| 9825 | Jumper | 3198 036 90010 |
| 9826 | Jumper | 3198 036 90010 |
| 9827 | Jumper | 3198 036 90010 |
| 9828 | Jumper | 3198 036 90010 |
| 9829 | Jumper | 3198 036 90010 |
| 9830 | Jumper | 3198 036 90010 |
| 9832 | Jumper | 3198 036 90010 |
| 9911 | Jumper | 3198 036 90010 |
| 9912 | Jumper | 3198 036 90010 |
| 9915 | Jumper | 3198 036 90010 |
| 9916 | Jumper | 3198 036 90010 |
| 9917 | Jumper | 3198 036 90010 |
| 9921 | Jumper | 3198 036 90010 |
| 9982 | Jumper | 3198 036 90010 |
| 9991 | Jumper | 3198 036 90010 |
| 9993 | Jumper | 3198 036 90010 |

|      |              |                |
|------|--------------|----------------|
| 9994 | Jumper       | 3198 036 90010 |
| 9996 | Jumper       | 3198 036 90010 |
| 9997 | Jumper       | 3198 036 90010 |
| 9998 | Jumper       | 3198 036 90010 |
| CBA  | Main Chassis | 3139 137 21041 |

## Model 19PR16C/122 Cabinet Parts

|                                 |   |                |
|---------------------------------|---|----------------|
| Model 19PR16C/122 Cabinet Parts |   |                |
| S AC01                          | AC Power Cord                                       | 3135 010 04771 |
| AC03                            | Cabinet, Back                                       | 3139 124 36351 |
| AC04                            | Cabinet, Front                                      | 3139 137 82051 |
| AC05                            | Chassis Guide                                       | 3139 124 37561 |
| AC06                            | Control Knobs                                       | 3139 124 36341 |
| S AC08                          | CRT, A48JLL40X46(M)                                 | 9322 131 82682 |
| S AC09                          | Degaussing Coil, 19"                                | 2422 549 44428 |
| AC10                            | Degaussing Coil Holder                              | 3135 013 01641 |
| AC11                            | Light Guide   | 3139 124 36271 |
| AC12                            | Nameplate   | 3139 120 01281 |
| AC13                            | Owner's Manual                                      | 3121 235 20031 |
| AC14                            | Mains Knob  | 3139 124 34271 |
| AC16                            | Speaker, 16 ohm, 8W, YD77-16SX11                    | 2422 264 00407 |
| AC18                            | ITC = Integrated Tube Component, CRT & Yoke Pre-Set | 0000 000 00ITC |
| AC21                            | Battery, Zinc, 1.5V, 2-Pk.                          | 9299 000 65263 |
| AC24                            | Spring, Braid Tension                               | 3139 121 26231 |
| AC32                            | Assembly Braid, 19"                                 | 3135 010 07321 |
| AC38                            | Speaker Clip  | 3139 124 32931 |
| REMOTE                          | Remote Transmitter                                  | 3139 228 86462 |

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## Main Chassis

|                   |  |      |           |      |   |      |     |       |
|-------------------|--|------|-----------|------|---|------|-----|-------|
| Main Chassis      |  |      |           | 2423 | 10uF., 20%, 100V, Electrolytic              | 2020 | 021 | 90813 |
| 2 Pin Fuse Socket |  |      |           | 2471 | 0.1uF., 10%, 50V, Metalized Polyester       | 3198 | 014 | 01040 |
| 0127              | IC-SPRING FOR ITEM 7471 (IC TDA9302H)        | 3122 | 358 71251 | 2472 | 0.1uF., 10%, 50V, Metalized Polyester       | 3198 | 014 | 01040 |
| 0138              | IC-SPRING 7402                               | 3139 | 121 24581 | 2473 | 100uF., 20%, 50V, Electrolytic              | 2020 | 021 | 90587 |
| 0139              | IC-SPRING 7402                               | 3139 | 121 24581 | 2475 | 470pF., 50V, Ceramic                        | 3198 | 016 | 04710 |
| 0211              | 2 Pin Connector (AC Input Plug)              | 2422 | 025 16269 | 2476 | 0.22uF., 10%, 50V, Metalized Polyester      | 3198 | 014 | 02240 |
| 0212              | 2 Pin Connector (Degaussing Plug (RED))      | 2422 | 025 16375 | 2477 | 470pF., 50V, Ceramic                        | 3198 | 016 | 04710 |
| 0217              | 3 Pin Connector                              | 2412 | 020 00725 | 2500 | 0.47uF., 20%, 275V, Metalized Polypropylene | 2022 | 330 | 00018 |
| 0218              | 2 Pin Connector                              | 2422 | 026 04637 | 2501 | 2200pF., 1kV, Ceramic                       | 3198 | 019 | 52220 |
| 0220              | 3 Pin Connector                              | 2422 | 025 04851 | 2502 | 2200pF., 1kV, Ceramic                       | 3198 | 019 | 52220 |
| 0221              | 6 Pin Connector                              | 2422 | 025 15503 | 2503 | 220uF., 20%, 200V, Electrolytic             | 2020 | 024 | 90557 |
| 0222              | 2 Pin Connector                              | 2422 | 025 10646 | 2504 | 2200pF., 1kV, Ceramic                       | 3198 | 019 | 52220 |
| 0232              | Headphone Jack                               | 2422 | 026 04747 | 2506 | 2200pF., 1kV, Ceramic                       | 3198 | 019 | 52220 |
| 0243              | 6 Pin Connector                              | 2422 | 025 04854 | 2508 | 470pF., 1kV, 10%, Ceramic                   | 3198 | 019 | 64710 |
| 0244              | 3 Pin Connector                              | 2422 | 025 04851 | 2515 | 1500pF., 250V, 20%, Ceramic                 | 2020 | 554 | 90177 |
| 0245              | 6 Pin Connector                              | 2422 | 025 04854 | 2520 | 0.1uF., 16V, Ceramic                        | 3198 | 017 | 01040 |
| 0246              | 3 Pin Connector                              | 2412 | 020 00725 | 2521 | 22uF., 20%, 50V, Electrolytic               | 3198 | 025 | 52290 |
| 0254              | 9 Pin CRT Socket (N-NECK)                    | 2422 | 500 80067 | 2522 | 0.1uF., 16V, Ceramic                        | 3198 | 017 | 01040 |
| 1000              | Tuner V+U PLL F ENV56D98G3                   | 2422 | 542 90108 | 2523 | 1500pF., 2kV, 10%, Ceramic                  | 2020 | 558 | 90489 |
| 1002              | 45.75 MHz Saw Filter F027TPL-A               | 2422 | 549 44327 | 2525 | 470pF., 50V, Ceramic                        | 3198 | 017 | 04710 |
| 1200              | 4.5MHz Ceramic Filter, TPS*MB                | 2422 | 549 40807 | 2526 | 0.001uF., 50V, Ceramic                      | 3198 | 017 | 01020 |
| 1500              | 5 Amp, 250V, Fuse (5X20)                     | 2422 | 086 10905 | 2527 | 470pF., 50V, Ceramic                        | 3198 | 017 | 04710 |
| 1515              | 5 Amp, 12V, 1 Pin Relay, G5PA-1              | 2422 | 132 07444 | 2540 | 0.015uF., 50V, Ceramic                      | 3198 | 017 | 01530 |
| 1600              | Tact Switch                                  | 2422 | 128 02742 | 2560 | 1000pF., 1kV, 10%, Ceramic                  | 3198 | 019 | 61020 |
| 1601              | Tact Switch                                  | 2422 | 128 02742 | 2561 | 47uF., 20%, 160V, Electrolytic              | 2020 | 021 | 91358 |
| 1602              | Tact Switch                                  | 2422 | 128 02742 | 2562 | 1000pF., 50V, Ceramic                       | 3198 | 019 | 11020 |
| 1603              | Tact Switch                                  | 2422 | 128 02742 | 2563 | 0.1uF., 10%, 50V, Metalized Polyester       | 3198 | 014 | 01040 |
| 1606              | Tact Switch                                  | 2422 | 128 02742 | 2564 | 2200uF., 20%, 16V, Electrolytic             | 2020 | 012 | 93057 |
| 1660              | 12MHz, Crystal Resonator, HC49/U A           | 2422 | 543 01203 | 2565 | 470pF., 1kV, 10%, Ceramic                   | 3198 | 019 | 64710 |
| 2004              | 0.047uF., 25V, Ceramic                       | 3198 | 023 04730 | 2567 | 47uF., 20%, 25V, Electrolytic               | 3198 | 025 | 34790 |
| 2005              | 10uF., 20%, 50V, Electrolytic                | 3198 | 025 51090 | 2568 | 1uF., 20%, 50V, Electrolytic                | 3198 | 025 | 51080 |
| 2006              | 470uF., 20%, 16V, Electrolytic               | 3198 | 025 24710 | 2569 | 470pF., 50V, Ceramic                        | 3198 | 017 | 04710 |
| 2007              | 0.1uF., 25V, Ceramic                         | 3198 | 023 21040 | 2580 | 47uF., 20%, 25V, Electrolytic               | 3198 | 025 | 34790 |
| 2008              | 100uF., 20%, 25V, Electrolytic               | 3198 | 025 31010 | 2601 | 0.22uF., 25V, Ceramic                       | 3198 | 023 | 22240 |
| 2009              | 0.022uF., 50V, Ceramic                       | 3198 | 017 02230 | 2602 | 100pF., 50V, Ceramic                        | 3198 | 016 | 01010 |
| 2181              | 22pF., 50V, Ceramic                          | 3198 | 016 02290 | 2606 | 1000pF., 50V, Ceramic                       | 3198 | 016 | 01020 |
| 2182              | 330pF., 50V, Ceramic                         | 3198 | 016 03310 | 2607 | 33pF., 50V, Ceramic                         | 3198 | 016 | 03390 |
| 2184              | 2.2uF., 10V, Ceramic                         | 3198 | 017 22250 | 2608 | 0.1uF., 25V, Ceramic                        | 3198 | 023 | 21040 |
| 2202              | 0.1uF., 25V, Ceramic                         | 3198 | 023 21040 | 2609 | 33pF., 50V, Ceramic                         | 3198 | 016 | 03390 |
| 2203              | 0.1uF., 25V, Ceramic                         | 3198 | 023 21040 | 2611 | 0.1uF., 25V, Ceramic                        | 3198 | 023 | 21040 |
| 2204              | 0.1uF., 25V, Ceramic                         | 3198 | 023 21040 | 2612 | 22pF., 50V, Ceramic                         | 3198 | 016 | 02290 |
| 2205              | 0.22uF., 25V, Ceramic                        | 3198 | 023 22240 | 2613 | 22pF., 50V, Ceramic                         | 3198 | 016 | 02290 |
| 2208              | 0.1uF., 25V, Ceramic                         | 3198 | 023 21040 | 2615 | 1000pF., 50V, Ceramic                       | 3198 | 016 | 01020 |
| 2209              | 4.7uF., 20%, 50V, Electrolytic               | 3198 | 025 54780 | 2618 | 0.01uF., 50V, Ceramic                       | 3198 | 017 | 01030 |
| 2210              | 0.47uF., 20%, 50V, Electrolytic              | 3198 | 025 54770 | 2619 | 1uF., 16V, Ceramic                          | 3198 | 017 | 21050 |
| 2211              | 0.47uF., 16V, Ceramic                        | 3198 | 017 24740 | 2691 | 100uF., 20%, 25V, Electrolytic              | 3198 | 025 | 31010 |
| 2216              | 100uF., 20%, 25V, Electrolytic               | 3198 | 025 31010 | 2902 | 220uF., 20%, 50V, Electrolytic              | 3198 | 026 | 52210 |
| 2217              | 0.022uF., 50V, Ceramic                       | 3198 | 017 02230 | 2903 | 1uF., 20%, 50V, Electrolytic                | 3198 | 025 | 51080 |
| 2219              | 0.22uF., 25V, Ceramic                        | 3198 | 023 22240 | 2904 | 1uF., 16V, Ceramic                          | 3198 | 017 | 21050 |
| 2226              | 4700pF., 50V, Ceramic                        | 3198 | 017 04720 | 2905 | 1000pF., 50V, Ceramic                       | 3198 | 016 | 01020 |
| 2227              | 4700pF., 50V, Ceramic                        | 3198 | 017 04720 | 2908 | 10uF., 20%, 50V, Electrolytic               | 3198 | 025 | 51090 |
| 2228              | 820pF., 50V, Ceramic                         | 3198 | 016 08210 | 2941 | 1uF., 20%, 50V, Electrolytic                | 3198 | 025 | 51080 |
| 2229              | 10uF., 20%, 50V, Electrolytic                | 3198 | 025 51090 | 2942 | 0.033uF., 50V, Ceramic                      | 3198 | 017 | 03330 |
| 2233              | 820pF., 50V, Ceramic                         | 3198 | 016 08210 | 2943 | 0.1uF., 16V, Ceramic                        | 3198 | 017 | 01040 |
| 2241              | 4700pF., 50V, Ceramic                        | 3198 | 017 04720 | 2944 | 0.047uF., 50V, Ceramic                      | 3198 | 017 | 24730 |
| 2242              | 1uF., 16V, Ceramic                           | 3198 | 017 21050 | 2945 | 0.01uF., 50V, Ceramic                       | 3198 | 017 | 01030 |
| 2243              | 2200pF., 50V, Ceramic                        | 3198 | 017 02220 | 2946 | 1uF., 16V, Ceramic                          | 3198 | 017 | 21050 |
| 2244              | 0.1uF., 10%, 63V, Metalized Polyester        | 2222 | 370 75104 | 2981 | 100uF., 20%, 25V, Electrolytic              | 3198 | 025 | 31010 |
| 2245              | 0.22uF., 25V, Ceramic                        | 3198 | 023 22240 | 2982 | 470pF., 50V, Ceramic                        | 3198 | 016 | 04710 |
| 2246              | 4.7uF., 20%, 50V, Electrolytic               | 3198 | 025 54780 | 2983 | 100uF., 20%, 25V, Electrolytic              | 3198 | 025 | 31010 |
| 2247              | 100uF., 20%, 25V, Electrolytic               | 3198 | 025 31010 | 2984 | 470pF., 50V, Ceramic                        | 3198 | 016 | 04710 |
| 2248              | 0.022uF., 50V, Ceramic                       | 3198 | 017 02230 | 3000 | 100 ohm, 5%, 1/6W Carbon                    | 3198 | 011 | 01010 |
| 2249              | 0.022uF., 50V, Ceramic                       | 3198 | 017 02230 | 3001 | 100 ohm, 5%, 1/6W Carbon                    | 3198 | 011 | 01010 |
| 2250              | 2.2uF., 20%, 50V, Electrolytic               | 3198 | 025 52280 | 3002 | Zero ohm "Chip" Jumper                      | 3198 | 021 | 90020 |
| 2252              | 1000pF., 50V, Ceramic                        | 3198 | 016 01020 | 3003 | 1.5k, 5%                                    | 3198 | 021 | 51520 |
| 2253              | 1000pF., 50V, Ceramic                        | 3198 | 016 01020 | 3004 | 8.2k, 5%                                    | 3198 | 021 | 58220 |
| 2254              | 100pF., 50V, Ceramic                         | 3198 | 016 01010 | 3005 | 100 ohm, 5%, 1/6W Carbon                    | 3198 | 011 | 01010 |
| 2313              | 220pF., 50V, Ceramic                         | 3198 | 016 02210 | 3181 | 75 ohm, 5%, 1/6W Carbon                     | 3198 | 011 | 07590 |
| 2323              | 390pF., 50V, Ceramic                         | 3198 | 016 03910 | 3182 | 100 ohm, 5%, 1/6W Carbon                    | 3198 | 011 | 01010 |
| 2331              | 390pF., 50V, Ceramic                         | 3198 | 016 03910 | 3183 | 150 ohm, 5%, 1/6W Carbon                    | 3198 | 011 | 01510 |
| 2341              | 2200pF., 1kV, 10%, Ceramic                   | 2020 | 558 90571 | 3184 | 47k, 5%                                     | 3198 | 021 | 54730 |
| 2342              | 0.047uF., 10%, 250V Metalized Polyester      | 2222 | 365 45473 | 3200 | 390 ohm, 5%, 1/6W Carbon                    | 3198 | 011 | 03910 |
| 2343              | 0.047uF., 10%, 250V Metalized Polyester      | 2222 | 365 45473 | 3201 | 100 ohm, 5%, 1/6W Carbon                    | 3198 | 011 | 01010 |
| 2401              | 680pF., 50V, Ceramic                         | 3198 | 019 16810 | 3202 | 100 ohm, 5%, 1/6W Carbon                    | 3198 | 011 | 01010 |
| 2402              | 0.68uF., 5%, 250V, Metalized Polypropylene   | 2222 | 479 90027 | 3203 | 100 ohm, 5%, 1/6W Carbon                    | 3198 | 011 | 01010 |
| 2406              | 330pF., 50V, Ceramic                         | 3198 | 016 03310 | 3204 | 10k, 5%, 1/6W Carbon                        | 3198 | 011 | 01030 |
| 2407              | 0.011uF., 5%, 1.6kV, Metalized Polypropylene | 2222 | 375 90155 | 3206 | 100k, 5%                                    | 3198 | 021 | 51040 |
| 2408              | 0.022uF., 50V, Ceramic                       | 3198 | 019 22230 | 3207 | 1k, 5%, 1/6W Carbon                         | 3198 | 011 | 01020 |
| 2409              | 47uF., 20%, 160V, Electrolytic               | 2020 | 021 91139 | 3208 | 220 ohm, 5%                                 | 3198 | 021 | 52210 |
| 2410              | 470uF., 20%, 16V, Electrolytic               | 2020 | 021 91577 | 3209 | 68 ohm, 5%                                  | 3198 | 021 | 56890 |
| 2411              | 47uF., 20%, 25V, Electrolytic                | 2020 | 021 90586 | 3212 | 470 ohm, 5%                                 | 3198 | 021 | 54710 |
| 2412              | 0.033uF., 10%, 100V, Metalized Polyester     | 2222 | 347 90236 | 3213 | 560 ohm, 5%, 1/6W Carbon                    | 3198 | 011 | 05610 |
| 2413              | 10uF., 20%, 250V, Electrolytic               | 2020 | 012 93495 | 3217 | 330k, 5%                                    | 3198 | 021 | 53340 |
| 2414              | 1000uF., 20%, 16V, Electrolytic              | 2020 | 021 91049 | 3218 | 82k, 5%                                     | 3198 | 021 | 58230 |
| 2417              | 1000uF., 20%, 16V, Electrolytic              | 2020 | 021 91049 | 3219 | 2.2k, 5%                                    | 3198 | 021 | 52220 |
| 2418              | 0.01uF., 50V, Ceramic                        | 3198 | 017 01030 | 3226 | 560 ohm, 5%                                 | 3198 | 021 | 55610 |
| 2419              | 1uF., 20%, 50V, Electrolytic                 | 2020 | 021 91147 | 3232 | 2.2k, 5%                                    | 3198 | 021 | 52220 |
| 2420              | 1uF., 20%, 50V, Electrolytic                 | 3198 | 025 51080 | 3235 | 100 ohm, 5%, 1/6W Carbon                    | 3198 | 011 | 01010 |
| 2421              | 0.047uF., 50V, Ceramic                       | 3198 | 017 24730 | 3241 | 22k, 5%                                     | 3198 | 021 | 52230 |
| 2422              | 470uF., 20%, 16V, Electrolytic               | 2020 | 021 91577 | 3242 | 27k, 5%                                     | 3198 | 021 | 52730 |
| 2423              | 470uF., 20%, 16V, Electrolytic               | 2020 | 021 91577 | 3244 | 820 ohm, 5%, 1/6W Carbon                    | 3198 | 011 | 08210 |

S = Safety Part      Be sure to use exact replacement part.



# 19PR16C125 (continued)

|      |   |                |      |  |                |
|------|---|----------------|------|--|----------------|
| 3245 | 39k, 5% . . . . .   | 3198 021 53930 | 3531 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3246 | 10k, 5% . . . . .   | 3198 021 51030 | 3541 | 470 ohm, 5% . . . . .                      | 3198 021 54710 |
| 3247 | 220k, 5% . . . . .  | 3198 021 52240 | 3542 | 1.5k, 5% . . . . .                         | 3198 021 51520 |
| 3248 | 27k, 5% . . . . .   | 3198 021 52730 | 3543 | 82k, 1%, Metal Film. . . . .               | 2322 156 28203 |
| 3249 | 820 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 08210 | 3544 | 6.8k, 1%, Metal Film . . . . .             | 2322 156 26802 |
| 3251 | 100 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 01010 | 3545 | 82k, 5% . . . . .                          | 3198 021 58230 |
| 3254 | 1M, 5% . . . . .  | 3198 021 51050 | 3546 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3256 | 1k, 5% . . . . .  | 3198 021 51020 | 3547 | 0.33 ohm, 5%, 1W, Power Resistor . . . . . | 3198 012 13370 |
| 3257 | 10Meg, 5% . . . . .   | 3198 021 51060 | 3548 | 8.2k, 5% . . . . .                         | 3198 021 58220 |
| 3258 | 330k, 5% . . . . .  | 3198 021 53340 | 3549 | 470 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 04710 |
| 3259 | 470k, 5% . . . . .  | 3198 021 54740 | 3552 | 10k, 5% . . . . .                          | 3198 021 51030 |
| 3311 | 3.9k, 5% . . . . .  | 3198 021 53920 | 3559 | 1k, 5% . . . . .                           | 3198 021 51020 |
| 3312 | 330 ohm, 5% . . . . .   | 3198 021 53310 | 3561 | 220 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 02210 |
| 3313 | 10 ohm, 5% . . . . .  | 3198 021 51090 | 3562 | 10k, 5% . . . . .                          | 3198 021 51030 |
| 3314 | 18k, 5%, Metal Film. . . . .                                  | 2322 195 63183 | 3563 | 4.7k, 5% . . . . .                         | 3198 021 54720 |
| 3316 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                  | 2306 204 03689 | 3564 | 4.7 ohm, 5%, 2W, Power Resistor. . . . .   | 3198 012 24780 |
| 3317 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3565 | 330 ohm, 5%, 1W, Power Resistor. . . . .   | 3198 012 13310 |
| 3321 | 3.9k, 5% . . . . .  | 3198 021 53920 | 3566 | 2.2k, 5% . . . . .                         | 3198 021 52220 |
| 3322 | 330 ohm, 5% . . . . .   | 3198 021 53310 | 3569 | 5.6k, 5% . . . . .                         | 3198 021 55620 |
| 3323 | 10 ohm, 5% . . . . .  | 3198 021 51090 | 3580 | 47k, 5% . . . . .                          | 3198 021 54730 |
| 3324 | 18k, 5%, Metal Film. . . . .                                  | 2322 195 63183 | 3603 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3326 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                  | 2306 204 03689 | 3604 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3327 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3605 | 4.7k, 5% . . . . .                         | 3198 021 54720 |
| 3331 | 3.9k, 5% . . . . .  | 3198 021 53920 | 3606 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3332 | 330 ohm, 5% . . . . .   | 3198 021 53310 | 3607 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3333 | 10 ohm, 5% . . . . .  | 3198 021 51090 | 3608 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3334 | 18k, 5%, Metal Film. . . . .                                  | 2322 195 63183 | 3611 | 100 ohm, 5% . . . . .                      | 3198 021 51010 |
| 3336 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                  | 2306 204 03689 | 3614 | 4.7k, 5%, 1/6W Carbon. . . . .             | 3198 011 04720 |
| 3337 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3615 | 10k, 5%, 1/6W Carbon . . . . .             | 3198 011 01030 |
| 3341 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3617 | 4.7k, 5%, 1/6W Carbon. . . . .             | 3198 011 04720 |
| 3347 | 220 ohm, 5% Fusible Resistor NFR25 . . . . .                  | 2306 204 03221 | 3618 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3348 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3619 | 8.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 08220 |
| 3349 | 1 ohm, 5%, Fusible Resistor NFR25. . . . .                    | 2306 204 03108 | 3622 | 100 ohm, 5% . . . . .                      | 3198 021 51010 |
| 3350 | 1 ohm, 5%, Fusible Resistor NFR25. . . . .                    | 2306 204 03108 | 3623 | 4.7k, 5% . . . . .                         | 3198 021 54720 |
| 3401 | 330k, 5% . . . . .  | 2322 242 13334 | 3624 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3402 | 18k, 5%, 1/6W Carbon . . . . .                                | 3198 011 01830 | 3625 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3403 | 22 ohm, 5%, 3W, Power Resistor . . . . .                      | 3198 012 32290 | 3626 | 4.7k, 5% . . . . .                         | 3198 021 54720 |
| 3404 | 6.8 ohm, 5%, Fusible Resistor NFR25. . . . .                  | 2306 204 03688 | 3627 | 4.7k, 5% . . . . .                         | 3198 021 54720 |
| 3406 | 10k, 5%, 1/6W Carbon . . . . .                                | 3198 011 01030 | 3628 | 10k, 5% . . . . .                          | 3198 021 51030 |
| 3407 | 220 ohm, 5%, 3W, Power Resistor. . . . .                      | 3198 012 32210 | 3630 | 2.2k, 5% . . . . .                         | 3198 021 52220 |
| 3408 | 1k, 5%, 1/6W Carbon. . . . .                                  | 3198 011 01020 | 3632 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3410 | 33k, 5% . . . . .   | 3198 021 53330 | 3636 | 100 ohm, 5% . . . . .                      | 3198 021 51010 |
| 3411 | 10 ohm, 5% Fusible Resistor NFR25. . . . .                    | 2306 204 03109 | 3681 | 390 ohm, 5% . . . . .                      | 3198 021 53910 |
| 3412 | 3.3k, 1%, Metal Film . . . . .                                | 2322 156 23302 | 3682 | 3.3k, 5% . . . . .                         | 3198 021 53320 |
| 3413 | 10k, 5% . . . . .   | 3198 021 51030 | 3683 | 390 ohm, 5% . . . . .                      | 3198 021 53910 |
| 3414 | 1.5k, 1%, Metal Film . . . . .                                | 2322 156 21502 | 3684 | 560 ohm, 5% . . . . .                      | 3198 021 55610 |
| 3415 | 1k, 5%, 1/6W Carbon. . . . .                                  | 3198 011 01020 | 3685 | 560 ohm, 5% . . . . .                      | 3198 021 55610 |
| 3416 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                  | 2306 204 03689 | 3686 | 1.5k, 5% . . . . .                         | 3198 021 51520 |
| 3417 | 33k, 5%, 1/6W Carbon . . . . .                                | 3198 011 03330 | 3691 | 330 ohm, 5% . . . . .                      | 3198 021 53310 |
| 3418 | 33k, 5% . . . . .   | 3198 021 53330 | 3693 | 220 ohm, 5% . . . . .                      | 3198 021 52210 |
| 3419 | 6.8k, 5% . . . . .  | 3198 021 56820 | 3694 | 4.7k, 5% . . . . .                         | 3198 021 54720 |
| 3420 | 33k, 5% . . . . .   | 3198 021 53330 | 3901 | 1k, 5% . . . . .                           | 3198 021 51020 |
| 3421 | 6.8 ohm, 5%, 2W, Power Resistor. . . . .                      | 3198 012 26880 | 3902 | 3.3k, 5% . . . . .                         | 3198 021 53320 |
| 3422 | 100 ohm, 5% . . . . .   | 3198 021 51010 | 3903 | 8.2k, 5% . . . . .                         | 3198 021 58220 |
| 3423 | 820 ohm, 5% . . . . .   | 3198 021 58210 | 3904 | 10k, 5% . . . . .                          | 3198 021 51030 |
| 3424 | 100 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 01010 | 3907 | 5.6k, 5% . . . . .                         | 3198 021 55620 |
| 3425 | 12k, 5%, 1/6W Carbon . . . . .                                | 3198 011 01230 | 3941 | 100 ohm, 5% . . . . .                      | 3198 021 51010 |
| 3426 | 1M, 5% . . . . .  | 3198 021 51050 | 3942 | 3.9k, 5% . . . . .                         | 3198 021 53920 |
| 3427 | 12k, 5%, 1/6W Carbon . . . . .                                | 3198 011 01230 | 3943 | 2.7k, 5% . . . . .                         | 3198 021 52720 |
| 3428 | 39 ohm, 5% Fusible Resistor NFR25H . . . . .                  | 2306 207 03399 | 3944 | 2.7k, 5% . . . . .                         | 3198 021 52720 |
| 3431 | 2.2k, 5% . . . . .  | 3198 021 52220 | 3945 | 1k, 5% . . . . .                           | 3198 021 51020 |
| 3432 | 22 ohm, 5%, 1/6W Carbon. . . . .                              | 3198 011 02290 | 3946 | 18k, 5% . . . . .                          | 3198 021 51830 |
| 3471 | 3.9 ohm, 1%, Metal Film. . . . .                              | 2322 156 23908 | 3947 | 330 ohm, 5% . . . . .                      | 3198 021 53310 |
| 3472 | 3.9 ohm, 1%, Metal Film. . . . .                              | 2322 156 23908 | 3948 | 47k, 5% . . . . .                          | 3198 021 54730 |
| 3473 | 2.2k, 1%, Metal Film . . . . .                                | 2322 156 22202 | 3949 | 15k, 5% . . . . .                          | 3198 021 51530 |
| 3474 | 1k, 5%, 1/6W Carbon. . . . .                                  | 3198 011 01020 | 3950 | 560 ohm, 5% . . . . .                      | 3198 021 55610 |
| 3475 | 2.2k, 1%, Metal Film . . . . .                                | 2322 156 22202 | 3951 | 390 ohm, 5% . . . . .                      | 3198 021 53910 |
| 3476 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                  | 2306 204 03158 | 3981 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3477 | 220 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 02210 | 3982 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3478 | 220 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 02210 | 4001 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3479 | 1k, 5%, 1/6W Carbon. . . . .                                  | 3198 011 01020 | 4002 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3500 | 3.3Meg, 5% . . . . .  | 2322 242 13335 | 4181 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3501 | 3.3Meg, 5% . . . . .  | 2322 242 13335 | 4212 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3502 | 4.7 ohm, 20%, 3.1W, Negative Temperature Coefficient. . . . . | 2122 612 00055 | 4216 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3503 | 10 ohm, 30%, 120V, Positive Temperature Coefficient. . . . .  | 2120 661 00026 | 4217 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3506 | Jumper Wire. . . . .  | 0322 179 00003 | 4410 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3507 | Surge Protector DSP-301N-A21F. . . . .                        | 2422 549 43073 | 4501 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3508 | 1.5Meg, 5% . . . . .  | 2322 242 13155 | 4601 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3519 | 270 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 02710 | 4613 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3520 | 1.2k, 5% . . . . .  | 3198 021 51220 | 4614 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3521 | 4.7 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 04780 | 4615 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3522 | 330k, 5% . . . . .  | 3198 021 53340 | 4616 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3523 | 100 ohm, 5%, Fusible Resistor NFR25 . . . . .                 | 2306 204 03101 | 4617 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3524 | 56k, 5% . . . . .   | 3198 021 55630 | 4618 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3525 | 1k, 5% . . . . .  | 3198 021 51020 | 4619 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3526 | 0.15 ohm, 5%, 1W, Power Resistor . . . . .                    | 3198 012 11570 | 4622 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3527 | 2.2k ohm, 5%, Fusible Resistor NFR25 . . . . .                | 2306 204 03222 | 4623 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3528 | 10k, 5% . . . . .   | 3198 021 51030 | 4691 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3529 | 47k, 5% . . . . .   | 3198 021 54730 | 4692 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3530 | 4.7k, 5% . . . . .  | 3198 021 54720 | 4693 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |   |                | 4807 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |   |                | 4811 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |

S = Safety Part Be sure to use exact replacement part.

## 19PR16C125 (continued)

|      |  |                |      |  |                |
|------|--|----------------|------|--|----------------|
| 4812 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7333 | Transistor BF423 . . . . .               | 3198 020 43020 |
| 4813 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7401 | Transistor PDTCL143ZT. . . . .           | 9340 547 00215 |
| 4814 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7402 | Power Transistor BUT11APX-1200 . . . . . | 9340 563 21127 |
| 4901 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7403 | Transistor BC337-25. . . . .             | 3198 020 43530 |
| 4911 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7404 | Transistor BC636 . . . . .               | 9332 219 50126 |
| 4982 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7405 | Transistor BC857B . . . . .              | 3198 010 42150 |
| 5001 | Fixed Inductor, 5.6uH, 10% . . . . .             | 3198 018 25680 | 7406 | Transistor BC857B . . . . .              | 3198 010 42150 |
| 5002 | Fixed Inductor, 0.82uH, 10% . . . . .            | 3198 018 18270 | 7407 | Power Transistor BD135-16. . . . .       | 3198 020 41190 |
| 5201 | Fixed Inductor, 6.8uH, 5% . . . . .              | 3198 018 16880 | 7408 | Power Transistor BD135-17. . . . .       | 3198 020 41190 |
| 5202 | Fixed Inductor, 10uH, 10% . . . . .              | 3198 018 21090 | 7409 | Transistor BC857B . . . . .              | 3198 010 42150 |
| 5241 | Fixed Inductor, 10uH, 10% . . . . .              | 3198 018 21090 | 7471 | IC, TDA9302H . . . . .                   | 9322 088 25682 |
| 5242 | Fixed Inductor, 10uH, 5% . . . . .               | 3198 018 11090 | 7515 | Opto-Coupler, TCET1103(G). . . . .       | 9322 140 14667 |
| 5341 | Fixed Inductor, 12uH, 5% SPT0508 . . . . .       | 2422 535 95598 | 7520 | IC, TEA1507P/N1. . . . .                 | 9352 673 56112 |
| 5342 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 7521 | Power FET, STP5NC50FP. . . . .           | 9322 160 71687 |
| 5403 | Fixed Inductor, 33uH, 10% LHL08 . . . . .        | 2422 535 94643 | 7522 | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5408 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7540 | Transistor BC547B. . . . .               | 3198 020 40030 |
| 5410 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7541 | Transistor PDTCL144ET. . . . .           | 9340 310 10215 |
| 5444 | Signal Driver Transformer SC10009-03. . . . .    | 2422 531 02446 | 7542 | Transistor BC857B . . . . .              | 3198 010 42150 |
| 5445 | LOT Transformer MSL0T4 . . . . .                 | 3128 138 21541 | 7560 | IC, L78L33ACZ. . . . .                   | 9322 134 92676 |
| 5502 | AC Filter. . . . .                               | 2422 549 44284 | 7561 | Transistor PDTCL143ZT. . . . .           | 9340 547 00215 |
| 5520 | Transformer SS28011-04. . . . .                  | 2422 531 02458 | 7580 | Transistor BC857B . . . . .              | 3198 010 42150 |
| 5520 | Transformer SS28032-01A . . . . .                | 2422 531 02458 | 7602 | IC M24C16-WBN6 . . . . .                 | 9322 147 25682 |
| 5521 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 7902 | IC, AN7523N. . . . .                     | 9322 158 66667 |
| 5560 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 7941 | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5561 | Fixed Inductor, 27uH, 10% . . . . .              | 3198 018 22790 | 7942 | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5562 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 7943 | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5563 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9181 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5602 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9692 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5603 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9696 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5604 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9814 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5833 | Jumper Wire. . . . .                             | 0322 179 00003 | 9820 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6001 | Diode Regulator, BZX79-C33 (33Volt). . . . .     | 3198 010 23390 | 9821 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6201 | Diode, BAV21 . . . . .                           | 3198 010 10630 | 9822 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6202 | Diode, BAS316 . . . . .                          | 3198 010 10630 | 9824 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6206 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 | 9825 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6241 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 | 9826 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6311 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9827 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6321 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9828 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6331 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9829 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6341 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9830 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6342 | Diode, 1N4148. . . . .                           | 3198 010 10010 | 9832 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6343 | Diode Regulator, BZX384-C8V2 (8.2Volt) . . . . . | 3198 020 58280 | 9833 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6401 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9982 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6402 | Diode Rectifier, BYV27-200 . . . . .             | 9322 126 72673 | 7200 | IC, TDA9587H/N1/3/0482 . . . . .         | 9352 699 88557 |
| 6404 | Diode Rectifier, BYD33D. . . . .                 | 9337 410 30133 | CBA  | Main Chassis . . . . .                   | 3139 178 86291 |
| 6405 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |  |                |
| 6406 | Diode, BAV70. . . . .                            | 9331 849 10215 |      |  |                |
| 6407 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 6408 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 6409 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |  |                |
| 6410 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |  |                |
| 6413 | Diode, 1N4148. . . . .                           | 3198 010 10010 |      |  |                |
| 6414 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 |      |  |                |
| 6415 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 6419 | Diode Regulator, BZX79-C5V6 (5.6Volt). . . . .   | 3198 010 25680 |      |  |                |
| 6420 | Diode Regulator, BZX79-C9V1 (9.1Volt). . . . .   | 9331 177 80133 |      |  |                |
| 6423 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |  |                |
| 6471 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |  |                |
| 6500 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |  |                |
| 6501 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |  |                |
| 6502 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |  |                |
| 6503 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |  |                |
| 6520 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |  |                |
| 6523 | Diode, 1N4148. . . . .                           | 3198 010 10010 |      |  |                |
| 6540 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 |      |  |                |
| 6541 | Diode Regulator, BZX79-C10 (10Volt). . . . .     | 3198 010 21090 |      |  |                |
| 6560 | Diode Rectifier, BYW76-RAS15/10. . . . .         | 9322 127 32682 |      |  |                |
| 6561 | Diode Rectifier, BYW76-RAS15/10. . . . .         | 9322 127 32682 |      |  |                |
| 6562 | Diode Rectifier, EGP20DL-5100. . . . .           | 9322 164 42682 |      |  |                |
| 6563 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 6565 | Diode, BAV70. . . . .                            | 9331 849 10215 |      |  |                |
| 6566 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 6569 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 6570 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 |      |  |                |
| 6580 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 6581 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 6681 | Diode, BAT85 . . . . .                           | 9336 247 60133 |      |  |                |
| 6691 | LED, VS LTL-10224WHCR. . . . .                   | 9322 050 99682 |      |  |                |
| 6692 | IR Receiver, TSOP1836UH3V. . . . .               | 9322 127 54667 |      |  |                |
| 6901 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 7200 | IC, 2US1 Software Cluster. . . . .               | 9352 699 88557 |      |  |                |
| 7201 | Transistor BC847B . . . . .                      | 3198 010 42030 |      |  |                |
| 7204 | Transistor BC857B . . . . .                      | 3198 010 42150 |      |  |                |
| 7241 | Transistor PDTA114ET. . . . .                    | 3198 010 44010 |      |  |                |
| 7311 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |  |                |
| 7312 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |  |                |
| 7313 | Transistor BF423 . . . . .                       | 3198 020 43020 |      |  |                |
| 7321 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |  |                |
| 7322 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |  |                |
| 7323 | Transistor BF423 . . . . .                       | 3198 020 43020 |      |  |                |
| 7331 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |  |                |
| 7332 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |  |                |

S = Safety Part Be sure to use exact replacement part.

# 19PS30C121 - Manual no. 7602

## Main Chassis

| Main Chassis |   |                |      |  |                |
|--------------|---|----------------|------|--|----------------|
|              | Main Chassis                            |                |      |  |                |
| 0127         | 2 Pin Fuse Socket. . . . .              | 3122 358 71251 | 2476 | 0.22uF., 10%, 50V, Metalized Polyester   | 3198 014 02240 |
| 0138         | IC-SPRING FOR ITEM 7471 (IC TDA9302H).. | 3104 301 22081 | 2477 | 470pF., 50V, Ceramic . . . . .           | 3198 016 04710 |
| 0139         | IC-SPRING 7402 . . . . .                | 3139 121 24581 | 2500 | 0.47uF., 20%, 275V, Metalized Polypropyl |                |
| 0211         | 2 Pin Connector (AC Input Plug).. . . . | 2422 025 16269 |      | ene. . . . .                             | 2022 330 00018 |
| 0212         | 2 Pin Connector (Degaussing Plug (RED)) | 2422 025 16375 | 2501 | 2200pF., 1kV, Ceramic. . . . .           | 3198 019 52220 |
| 0217         | 3 Pin Connector. . . . .                | 2412 020 00725 | 2502 | 2200pF., 1kV, Ceramic. . . . .           | 3198 019 52220 |
| 0220         | 3 Pin Connector. . . . .                | 2422 025 04851 | 2503 | 220uF., 20%, 200V, Electrolytic . . . .  | 2020 024 90557 |
| 0221         | 6 Pin Connector. . . . .                | 2422 025 15503 | 2504 | 2200pF., 1kV, Ceramic. . . . .           | 3198 019 52220 |
| 0222         | 2 Pin Connector. . . . .                | 2422 025 10646 | 2506 | 2200pF., 1kV, Ceramic. . . . .           | 3198 019 52220 |
| 0243         | 6 Pin Connector. . . . .                | 2422 025 04854 | 2508 | 470pF., 1kV, 10%, Ceramic. . . . .       | 3198 019 64710 |
| 0244         | 3 Pin Connector. . . . .                | 2422 025 04851 | 2515 | 1500pF., 250V, 20%, Ceramic. . . . .     | 2020 554 90172 |
| 0245         | 6 Pin Connector. . . . .                | 2422 025 04854 | 2520 | 0.1uF., 16V, Ceramic . . . . .           | 3198 017 01040 |
| 0246         | 5 Pin Connector. . . . .                | 2422 025 12481 | 2521 | 22uF., 20%, 50V, Electrolytic. . . . .   | 3198 025 52290 |
| 0254         | 9 Pin CRT Socket (N-NECK). . . . .      | 2422 500 80067 | 2522 | 0.1uF., 16V, Ceramic . . . . .           | 3198 017 01040 |
| 1000         | Tuner V+U PLL F ENV56D98G3 . . . . .    | 2422 542 90108 | 2523 | 1500pF., 2kV, 10%, Ceramic . . . . .     | 2020 558 90489 |
| 1002         | 45.75 MHz Saw Filter F072TPL-A . . . .  | 2422 549 44327 | 2525 | 470pF, 50V, Ceramic. . . . .             | 3198 017 04710 |
| 1200         | 4.5MHz Ceramic Filter, TPS*MB. . . . .  | 2422 549 40807 | 2526 | 0.001uF., 50V, Ceramic . . . . .         | 3198 017 01020 |
| 1500         | 5 Amp, 250V, Fuse (5X20) . . . . .      | 2422 086 10905 | 2527 | 470pF, 50V, Ceramic. . . . .             | 3198 017 04710 |
| 1515         | 5 Amp, 12V, 1 Pin Relay, G5PA-1. . . .  | 2422 132 07444 | 2540 | 0.015uF., 50V, Ceramic . . . . .         | 3198 017 01530 |
| 1600         | Tact Switch. . . . .                    | 2422 128 02742 | 2560 | 1000pF., 1kV, 10%, Ceramic . . . . .     | 3198 019 61020 |
| 1601         | Tact Switch. . . . .                    | 2422 128 02742 | 2561 | 47uF., 20%, 160V, Electrolytic . . . .   | 2020 021 91358 |
| 1602         | Tact Switch. . . . .                    | 2422 128 02742 | 2562 | 1000pF, 50V, Ceramic . . . . .           | 3198 019 11020 |
| 1603         | Tact Switch. . . . .                    | 2422 128 02742 | 2563 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 014 01040 |
| 1606         | Tact Switch. . . . .                    | 2422 128 02742 | 2564 | 2200uF., 20%, 16V, Electrolytic. . . .   | 2020 012 93057 |
| 1660         | 12MHz, Crystal Resonator, HC49/U A . .  | 2422 543 01203 | 2565 | 470pF., 1kV, 10%, Ceramic. . . . .       | 3198 019 64710 |
| 1861         | 514.5KHz Ceramic Resonator CSB503F58 .  | 2422 540 98344 | 2567 | 47uF., 20%, 25V, Electrolytic. . . . .   | 3198 025 34790 |
| 2004         | 0.047uF., 25V, Ceramic . . . . .        | 3198 023 04730 | 2568 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 025 51080 |
| 2005         | 10uF., 20%, 50V, Electrolytic. . . . .  | 3198 025 51090 | 2569 | 470pF, 50V, Ceramic. . . . .             | 3198 017 04710 |
| 2006         | 470uF., 20%, 16V, Electrolytic . . . .  | 3198 025 24710 | 2580 | 47uF., 20%, 25V, Electrolytic. . . . .   | 3198 025 34790 |
| 2007         | 0.1uF, 25V, Ceramic. . . . .            | 3198 023 21040 | 2601 | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 |
| 2008         | 100uF., 20%, 25V, Electrolytic . . . .  | 3198 025 31010 | 2602 | 100pF., 50V, Ceramic . . . . .           | 3198 016 01010 |
| 2009         | 0.022uF., 50V, Ceramic . . . . .        | 3198 017 02230 | 2606 | 1000pF., 50V, Ceramic. . . . .           | 3198 016 01020 |
| 2203         | 0.1uF, 25V, Ceramic. . . . .            | 3198 023 21040 | 2607 | 33pF., 50V, Ceramic. . . . .             | 3198 016 03390 |
| 2204         | 0.1uF, 25V, Ceramic. . . . .            | 3198 023 21040 | 2608 | 0.1uF, 25V, Ceramic. . . . .             | 3198 023 21040 |
| 2205         | 0.22uF., 25V, Ceramic. . . . .          | 3198 023 22240 | 2609 | 33pF., 50V, Ceramic. . . . .             | 3198 016 03390 |
| 2208         | 0.1uF, 25V, Ceramic. . . . .            | 3198 023 21040 | 2611 | 0.1uF, 25V, Ceramic. . . . .             | 3198 023 21040 |
| 2209         | 4.7uF., 20%, 50V, Electrolytic . . . .  | 3198 025 54780 | 2612 | 22pF., 50V, Ceramic. . . . .             | 3198 016 02290 |
| 2210         | 0.47uF., 20%, 50V, Electrolytic. . . .  | 3198 025 54770 | 2613 | 22pF., 50V, Ceramic. . . . .             | 3198 016 02290 |
| 2211         | 0.47uF, 16V, Ceramic . . . . .          | 3198 017 24740 | 2615 | 1000pF., 50V, Ceramic. . . . .           | 3198 016 01020 |
| 2216         | 100uF., 20%, 25V, Electrolytic . . . .  | 3198 025 31010 | 2618 | 0.01uF., 50V, Ceramic. . . . .           | 3198 017 01030 |
| 2217         | 0.022uF., 50V, Ceramic . . . . .        | 3198 017 02230 | 2619 | 1uF.,16V, Ceramic. . . . .               | 3198 017 21050 |
| 2219         | 0.22uF., 25V, Ceramic. . . . .          | 3198 023 22240 | 2691 | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 025 31010 |
| 2226         | 100pF., 50V, Ceramic . . . . .          | 3198 016 01010 | 2861 | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 |
| 2227         | 4700pF., 50V, Ceramic. . . . .          | 3198 017 04720 | 2862 | 2.2uF., 10V, Ceramic . . . . .           | 3198 017 22250 |
| 2228         | 820pF., 50V, Ceramic . . . . .          | 3198 016 08210 | 2864 | 2.2uF., 20%, 50V, Electrolytic . . . .   | 3198 025 52280 |
| 2229         | 10uF., 20%, 50V, Electrolytic. . . . .  | 3198 025 51090 | 2865 | 2.2uF., 20%, 50V, Electrolytic . . . .   | 3198 025 52280 |
| 2233         | 820pF., 50V, Ceramic . . . . .          | 3198 016 08210 | 2866 | 2.2uF., 10V, Ceramic . . . . .           | 3198 017 22250 |
| 2241         | 4700pF., 50V, Ceramic. . . . .          | 3198 017 04720 | 2867 | 3300pF., 50V, Ceramic. . . . .           | 3198 017 03320 |
| 2242         | 1uF.,16V, Ceramic. . . . .              | 3198 017 21050 | 2868 | 150pF., 50V, Ceramic . . . . .           | 3198 016 01510 |
| 2243         | 2200pF., 50V, Ceramic . . . . .         | 3198 017 02220 | 2869 | 0.0047uF., 10%, 50V, Metalized Polyeste  | 3198 014 04730 |
| 2244         | 0.1uF., 10%, 63V, Metalized Polyester.  | 2222 370 75104 | 2870 | 0.047uF., 10%, 50V, Metalized Polyester  | 3198 014 04730 |
| 2245         | 0.22uF., 25V, Ceramic. . . . .          | 3198 023 22240 | 2871 | 150pF., 50V, Ceramic . . . . .           | 3198 019 11510 |
| 2247         | 100uF., 20%, 25V, Electrolytic . . . .  | 3198 025 31010 | 2872 | 0.0033uF., 10%, 50V, Metalized Polyeste  | 3198 014 03320 |
| 2248         | 0.022uF., 50V, Ceramic . . . . .        | 3198 017 02230 | 2873 | 2.2uF., 10V, Ceramic . . . . .           | 3198 017 22250 |
| 2249         | 0.022uF., 50V, Ceramic . . . . .        | 3198 017 02230 | 2874 | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 025 31010 |
| 2250         | 2.2uF., 20%, 50V, Electrolytic . . . .  | 3198 025 52280 | 2875 | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 025 31010 |
| 2252         | 1000pF., 50V, Ceramic. . . . .          | 3198 016 01020 | 2876 | 4.7uF., 20%, 50V, Electrolytic . . . .   | 3198 025 54780 |
| 2253         | 1000pF., 50V, Ceramic. . . . .          | 3198 016 01020 | 2877 | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 025 51090 |
| 2254         | 100pF., 50V, Ceramic . . . . .          | 3198 016 01010 | 2878 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 025 51080 |
| 2313         | 220pF., 50V, Ceramic . . . . .          | 3198 016 02210 | 2879 | 4700pF., 50V, Ceramic. . . . .           | 3198 017 04720 |
| 2323         | 390pF., 50V, Ceramic . . . . .          | 3198 016 03910 | 2880 | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 |
| 2331         | 390pF., 50V, Ceramic . . . . .          | 3198 016 03910 | 2883 | 470uF., 20%, 16V, Electrolytic . . . .   | 3198 025 24710 |
| 2341         | 2200pF., 1kV, 10%, Ceramic . . . . .    | 2020 558 90571 | 2884 | 2.2uF., 20%, 50V, Electrolytic . . . .   | 3198 025 52280 |
| 2342         | 0.047uF, 10%, 250V Metalized Polyester  | 2222 365 45473 | 2885 | 0.22uF., 10%, 50V, Metalized Polyester   | 3198 014 02240 |
| 2343         | 0.047uF, 10%, 250V Metalized Polyester  | 2222 365 45473 | 2886 | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 |
| 2401         | 680pF, 50V, Ceramic. . . . .            | 3198 019 16810 | 2902 | 220uF., 20%, 50V, Electrolytic . . . .   | 3198 026 52210 |
| 2402         | 0.68uF., 5%, 250V, Metalized Polypropyl |                | 2903 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 025 51080 |
|              | ene. . . . .                            | 2222 479 90027 | 2904 | 0.47uF, 16V, Ceramic . . . . .           | 3198 017 24740 |
| 2406         | 330pF., 50V, Ceramic . . . . .          | 3198 016 03310 | 2905 | 1000pF., 50V, Ceramic. . . . .           | 3198 016 01020 |
| 2407         | 0.010uF., 5%, 1.6kV, Metalized Polyprop |                | 2906 | 0.47uF, 16V, Ceramic . . . . .           | 3198 017 24740 |
|              | ylene. . . . .                          | 2020 301 90249 | 2907 | 1000pF., 50V, Ceramic. . . . .           | 3198 016 01020 |
| 2408         | 0.022uF., 50V, Ceramic . . . . .        | 3198 019 22230 | 2908 | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 025 51090 |
| 2409         | 47uF., 20%, 160V, Electrolytic . . . .  | 2020 021 91139 | 3000 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 011 01010 |
| 2410         | 470uF., 20%, 16V, Electrolytic . . . .  | 2020 021 91577 | 3001 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 011 01010 |
| 2411         | 47uF., 20%, 25V, Electrolytic. . . . .  | 2020 021 90586 | 3002 | Zero ohm "Chip" Jumper . . . . .         | 3198 021 90020 |
| 2412         | 0.033uF.,10%, 100V, Metalized Polyester | 2222 347 90236 | 3003 | 1.5k, 5% . . . . .                       | 3198 021 51520 |
| 2413         | 10uF., 20%, 250V, Electrolytic . . . .  | 2020 012 93495 | 3004 | 8.2k, 5% . . . . .                       | 3198 021 58220 |
| 2414         | 1000uF., 20%, 16V, Electrolytic. . . .  | 2020 021 91049 | 3005 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 011 01010 |
| 2416         | 820pF., 2kV, 10%, Ceramic. . . . .      | 2020 558 90486 | 3200 | 390 ohm, 5%, 1/6W Carbon . . . . .       | 3198 011 03910 |
| 2417         | 1000uF., 20%, 16V, Electrolytic. . . .  | 2020 021 91049 | 3201 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 011 01010 |
| 2418         | 0.01uF., 50V, Ceramic. . . . .          | 3198 017 01030 | 3202 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 011 01010 |
| 2419         | 1uF., 20%, 50V, Electrolytic . . . . .  | 2020 021 91147 | 3203 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 011 01010 |
| 2420         | 1uF., 20%, 50V, Electrolytic . . . . .  | 3198 025 51080 | 3204 | 10k, 5%, 1/6W Carbon . . . . .           | 3198 011 01030 |
| 2421         | 0.047uF, 50V, Ceramic. . . . .          | 3198 017 24730 | 3206 | 100k, 5% . . . . .                       | 3198 021 51040 |
| 2422         | 470uF., 20%, 16V, Electrolytic . . . .  | 2020 021 91577 | 3207 | 1k, 5%, 1/6W Carbon. . . . .             | 3198 011 01020 |
| 2423         | 10uF., 20%, 100V, Electrolytic . . . .  | 2020 021 90813 | 3208 | 220 ohm, 5%. . . . .                     | 3198 021 52210 |
| 2471         | 0.1uF., 10%, 50V, Metalized Polyester.  | 3198 014 01040 | 3209 | 68 ohm, 5% . . . . .                     | 3198 021 56890 |
| 2472         | 0.1uF., 10%, 50V, Metalized Polyester.  | 3198 014 01040 | 3212 | 470 ohm, 5%. . . . .                     | 3198 021 54710 |
| 2473         | 100uF., 20%, 50V, Electrolytic . . . .  | 2020 021 90587 | 3213 | 560 ohm, 5%, 1/6W Carbon . . . . .       | 3198 011 05610 |
| 2475         | 470pF., 50V, Ceramic . . . . .          | 3198 016 04710 | 3217 | 330k, 5% . . . . .                       | 3198 021 53340 |
|              |   |                | 3218 | 82k, 5%. . . . .                         | 3198 021 58230 |
|              |   |                | 3219 | 2.2k, 5% . . . . .                       | 3198 021 52220 |

# 19PS30C121 (continued)

|      |   |                |      |  |                |
|------|---|----------------|------|--|----------------|
| 3226 | 560 ohm, 5% . . . . .   | 3198 021 55610 | 3525 | 1k, 5% . . . . .                         | 3198 021 51020 |
| 3232 | 2.2k, 5% . . . . .  | 3198 021 52220 | 3526 | 0.15 ohm, 5%, 1W, Power Resistor . . .   | 3198 012 11570 |
| 3235 | 100 ohm, 5%, 1/6W Carbon . . . . .                                | 3198 011 01010 | 3527 | 2.2k ohm, 5%, Fusible Resistor NFR25 . . | 2306 204 03222 |
| 3241 | 22k, 5% . . . . .   | 3198 021 52230 | 3528 | 10k, 5% . . . . .                        | 3198 021 51030 |
| 3242 | 27k, 5% . . . . .   | 3198 021 52730 | 3529 | 47k, 5% . . . . .                        | 3198 021 54730 |
| 3244 | 820 ohm, 5%, 1/6W Carbon . . . . .                                | 3198 011 08210 | 3530 | 4.7k, 5% . . . . .                       | 3198 021 54720 |
| 3245 | 39k, 5% . . . . .   | 3198 021 53930 | 3531 | Zero ohm "Chip" Jumper . . . . .         | 3198 021 90020 |
| 3246 | 10k, 5% . . . . .   | 3198 021 51030 | 3541 | 470 ohm, 5% . . . . .                    | 3198 021 54710 |
| 3247 | 220k, 5% . . . . .  | 3198 021 52240 | 3542 | 1.5k, 5% . . . . .                       | 3198 021 51520 |
| 3248 | 27k, 5% . . . . .   | 3198 021 52730 | 3543 | 82k, 1%, Metal Film . . . . .            | 2322 156 28203 |
| 3249 | 820 ohm, 5%, 1/6W Carbon . . . . .                                | 3198 011 08210 | 3544 | 6.8k, 1%, Metal Film . . . . .           | 2322 156 26802 |
| 3251 | 100 ohm, 5%, 1/6W Carbon . . . . .                                | 3198 011 01010 | 3545 | 82k, 5% . . . . .                        | 3198 021 58230 |
| 3254 | 1M, 5% . . . . .  | 3198 021 51050 | 3546 | Zero ohm "Chip" Jumper . . . . .         | 3198 021 90020 |
| 3256 | 1k, 5% . . . . .  | 3198 021 51020 | 3547 | 0.33 ohm, 5%, 1W, Power Resistor . . .   | 3198 012 13370 |
| 3257 | 10Meg, 5% . . . . .   | 3198 021 51060 | 3548 | 8.2k, 5% . . . . .                       | 3198 021 58220 |
| 3258 | 330k, 5% . . . . .  | 3198 021 53340 | 3549 | 470 ohm, 5%, 1/6W Carbon . . . . .       | 3198 011 04710 |
| 3259 | 470k, 5% . . . . .  | 3198 021 54740 | 3552 | 10k, 5% . . . . .                        | 3198 021 51030 |
| 3311 | 3.9k, 5% . . . . .  | 3198 021 53920 | 3559 | 1k, 5% . . . . .                         | 3198 021 51020 |
| 3312 | 330 ohm, 5% . . . . .   | 3198 021 53310 | 3561 | 220 ohm, 5%, 1/6W Carbon . . . . .       | 3198 011 02210 |
| 3313 | 10 ohm, 5% . . . . .  | 3198 021 51090 | 3562 | 10k, 5% . . . . .                        | 3198 021 51030 |
| 3314 | 18k, 5%, Metal Film . . . . .                                     | 2322 195 63183 | 3563 | 4.7k, 5% . . . . .                       | 3198 021 54720 |
| 3316 | 68 ohm, 5%, Fusible Resistor NFR25 . .                            | 2306 204 03689 | 3564 | 4.7 ohm, 5%, 2W, Power Resistor . . .    | 3198 012 24780 |
| 3317 | 1.5k, 20%, 1/2W Carbon . . . . .                                  | 3198 013 01520 | 3565 | 330 ohm, 5%, 1W, Power Resistor . . .    | 3198 012 13310 |
| 3321 | 3.9k, 5% . . . . .  | 3198 021 53920 | 3566 | 2.2k, 5% . . . . .                       | 3198 021 52220 |
| 3322 | 330 ohm, 5% . . . . .   | 3198 021 53310 | 3569 | 5.6k, 5% . . . . .                       | 3198 021 55620 |
| 3323 | 10 ohm, 5% . . . . .  | 3198 021 51090 | 3580 | 47k, 5% . . . . .                        | 3198 021 54730 |
| 3324 | 18k, 5%, Metal Film . . . . .                                     | 2322 195 63183 | 3603 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 011 01010 |
| 3326 | 68 ohm, 5%, Fusible Resistor NFR25 . .                            | 2306 204 03689 | 3604 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 011 01010 |
| 3327 | 1.5k, 20%, 1/2W Carbon . . . . .                                  | 3198 013 01520 | 3605 | 4.7k, 5% . . . . .                       | 3198 021 54720 |
| 3331 | 3.9k, 5% . . . . .  | 3198 021 53920 | 3606 | 2.2k, 5%, 1/6W Carbon . . . . .          | 3198 011 02220 |
| 3332 | 330 ohm, 5% . . . . .   | 3198 021 53310 | 3607 | 2.2k, 5%, 1/6W Carbon . . . . .          | 3198 011 02220 |
| 3333 | 10 ohm, 5% . . . . .  | 3198 021 51090 | 3608 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 011 01010 |
| 3334 | 18k, 5%, Metal Film . . . . .                                     | 2322 195 63183 | 3611 | 100 ohm, 5% . . . . .                    | 3198 021 51010 |
| 3336 | 68 ohm, 5%, Fusible Resistor NFR25 . .                            | 2306 204 03689 | 3618 | 6.8k, 5%, 1/6W Carbon . . . . .          | 3198 011 06820 |
| 3337 | 1.5k, 20%, 1/2W Carbon . . . . .                                  | 3198 013 01520 | 3622 | 100 ohm, 5% . . . . .                    | 3198 021 51010 |
| 3341 | 1.5k, 20%, 1/2W Carbon . . . . .                                  | 3198 013 01520 | 3623 | 4.7k, 5% . . . . .                       | 3198 021 54720 |
| 3347 | 220 ohm, 5% Fusible Resistor NFR25 . .                            | 2306 204 03221 | 3624 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 011 01010 |
| 3348 | 1.5k, 20%, 1/2W Carbon . . . . .                                  | 3198 013 01520 | 3625 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 011 01010 |
| 3349 | 1.2 ohm, 5% Fusible Resistor NFR25 . .                            | 2306 204 03128 | 3626 | 4.7k, 5% . . . . .                       | 3198 021 54720 |
| 3350 | 1.2 ohm, 5% Fusible Resistor NFR25 . .                            | 2306 204 03128 | 3627 | 4.7k, 5% . . . . .                       | 3198 021 54720 |
| 3401 | 330k, 5% . . . . .  | 2322 242 13334 | 3628 | 10k, 5% . . . . .                        | 3198 021 51030 |
| 3402 | 18k, 5%, 1/6W Carbon . . . . .                                    | 3198 011 01830 | 3630 | 2.2k, 5% . . . . .                       | 3198 021 52220 |
| 3403 | 22 ohm, 5%, 3W, Power Resistor . . .                              | 3198 012 32290 | 3632 | Zero ohm "Chip" Jumper . . . . .         | 3198 021 90020 |
| 3404 | 6.8 ohm, 5%, Fusible Resistor NFR25 . .                           | 2306 204 03688 | 3636 | 100 ohm, 5% . . . . .                    | 3198 021 51010 |
| 3406 | 10k, 5%, 1/6W Carbon . . . . .                                    | 3198 011 01030 | 3681 | 390 ohm, 5% . . . . .                    | 3198 021 53910 |
| 3407 | 220 ohm, 5%, 3W, Power Resistor . . .                             | 3198 012 32210 | 3682 | 3.3k, 5% . . . . .                       | 3198 021 53320 |
| 3408 | 1k, 5%, 1/6W Carbon . . . . .                                     | 3198 011 01020 | 3683 | 390 ohm, 5% . . . . .                    | 3198 021 53910 |
| 3410 | 33k, 5% . . . . .   | 3198 021 53330 | 3684 | 560 ohm, 5% . . . . .                    | 3198 021 55610 |
| 3411 | 10 ohm, 5% Fusible Resistor NFR25 . .                             | 2306 204 03109 | 3685 | 560 ohm, 5% . . . . .                    | 3198 021 55610 |
| 3412 | 3.3k, 1%, Metal Film . . . . .                                    | 2322 156 23302 | 3686 | 1.5k, 5% . . . . .                       | 3198 021 51520 |
| 3413 | 10k, 5% . . . . .   | 3198 021 51030 | 3691 | 330 ohm, 5% . . . . .                    | 3198 021 53310 |
| 3414 | 1.5k, 1%, Metal Film . . . . .                                    | 2322 156 21502 | 3693 | 220 ohm, 5% . . . . .                    | 3198 021 52210 |
| 3415 | 1k, 5%, 1/6W Carbon . . . . .                                     | 3198 011 01020 | 3694 | 4.7k, 5% . . . . .                       | 3198 021 54720 |
| 3416 | 68 ohm, 5%, Fusible Resistor NFR25 . .                            | 2306 204 03689 | 3861 | 100k, 5% . . . . .                       | 3198 021 51040 |
| 3417 | 33k, 5%, 1/6W Carbon . . . . .                                    | 3198 011 03330 | 3862 | 15k, 5% . . . . .                        | 3198 021 51530 |
| 3418 | 33k, 5% . . . . .   | 3198 021 53330 | 3863 | 1.2k, 5% . . . . .                       | 3198 021 51220 |
| 3419 | 6.8k, 5% . . . . .  | 3198 021 56820 | 3864 | 100 ohm, 5% . . . . .                    | 3198 021 51010 |
| 3420 | 33k, 5% . . . . .   | 3198 021 53330 | 3865 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 011 01010 |
| 3421 | 6.8 ohm, 5%, 2W, Power Resistor . . .                             | 3198 012 26880 | 3866 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 011 01010 |
| 3422 | 100 ohm, 5% . . . . .   | 3198 021 51010 | 3867 | 3.3k, 5% . . . . .                       | 3198 021 53320 |
| 3423 | 820 ohm, 5% . . . . .   | 3198 021 58210 | 3901 | 1k, 5% . . . . .                         | 3198 021 51020 |
| 3424 | 100 ohm, 5%, 1/6W Carbon . . . . .                                | 3198 011 01010 | 3902 | 3.3k, 5% . . . . .                       | 3198 021 53320 |
| 3425 | 15k, 5%, 1/6W Carbon . . . . .                                    | 3198 011 01530 | 3903 | 15k, 5% . . . . .                        | 3198 021 51530 |
| 3426 | 1M, 5% . . . . .  | 3198 021 51050 | 3904 | 10k, 5% . . . . .                        | 3198 021 51030 |
| 3427 | 12k, 5%, 1/6W Carbon . . . . .                                    | 3198 011 01230 | 3905 | 15k, 5% . . . . .                        | 3198 021 51530 |
| 3428 | 39 ohm, 5% Fusible Resistor NFR25H . .                            | 2306 207 03399 | 3906 | 10k, 5% . . . . .                        | 3198 021 51030 |
| 3431 | Zero ohm "Chip" Jumper . . . . .                                  | 3198 021 90020 | 3907 | 8.2k, 5% . . . . .                       | 3198 021 58220 |
| 3432 | 22 ohm, 5%, 1/6W Carbon . . . . .                                 | 3198 011 02290 | 4001 | Zero ohm "Chip" Jumper . . . . .         | 3198 021 90020 |
| 3471 | 3.9 ohm, 1%, Metal Film . . . . .                                 | 2322 156 23908 | 4002 | Zero ohm "Chip" Jumper . . . . .         | 3198 021 90020 |
| 3472 | 3.9 ohm, 1%, Metal Film . . . . .                                 | 2322 156 23908 | 4181 | Zero ohm "Chip" Jumper . . . . .         | 3198 021 90020 |
| 3473 | 2.2k, 1%, Metal Film . . . . .                                    | 2322 156 22202 | 4214 | Zero ohm "Chip" Jumper . . . . .         | 3198 021 90020 |
| 3474 | 1k, 5%, 1/6W Carbon . . . . .                                     | 3198 011 01020 | 4216 | Zero ohm "Chip" Jumper . . . . .         | 3198 021 90020 |
| 3475 | 2.2k, 1%, Metal Film . . . . .                                    | 2322 156 22202 | 4217 | Zero ohm "Chip" Jumper . . . . .         | 3198 021 90020 |
| 3476 | 1.5 ohm, 5%, Fusible Resistor NFR25 . .                           | 2306 204 03158 | 4410 | Zero ohm "Chip" Jumper . . . . .         | 3198 021 90020 |
| 3477 | 220 ohm, 5%, 1/6W Carbon . . . . .                                | 3198 011 02210 | 4501 | Zero ohm "Chip" Jumper . . . . .         | 3198 021 90020 |
| 3478 | 220 ohm, 5%, 1/6W Carbon . . . . .                                | 3198 011 02210 | 4613 | Zero ohm "Chip" Jumper . . . . .         | 3198 021 90020 |
| 3479 | 1k, 5%, 1/6W Carbon . . . . .                                     | 3198 011 01020 | 4614 | Zero ohm "Chip" Jumper . . . . .         | 3198 021 90020 |
| 3500 | 3.3Meg, 5% . . . . .  | 2322 242 13335 | 4615 | Zero ohm "Chip" Jumper . . . . .         | 3198 021 90020 |
| 3501 | 3.3Meg, 5% . . . . .  | 2322 242 13335 | 4616 | Zero ohm "Chip" Jumper . . . . .         | 3198 021 90020 |
| 3502 | 4.7 ohm, 20%, 3.1W, Negative Temperatur<br>e Coefficient. . . . . | 2122 612 00055 | 4617 | Zero ohm "Chip" Jumper . . . . .         | 3198 021 90020 |
| 3503 | 10 ohm, 30%, 120V, Positive Temperature<br>Coefficient. . . . .   | 2120 661 00026 | 4618 | Zero ohm "Chip" Jumper . . . . .         | 3198 021 90020 |
| 3506 | Jumper Wire. . . . .  | 0322 179 00003 | 4619 | Zero ohm "Chip" Jumper . . . . .         | 3198 021 90020 |
| 3507 | Surge Protector DSP-301N-A21F. . . . .                            | 2422 549 43073 | 4622 | Zero ohm "Chip" Jumper . . . . .         | 3198 021 90020 |
| 3508 | 1.5Meg, 5% . . . . .  | 2322 242 13155 | 4623 | Zero ohm "Chip" Jumper . . . . .         | 3198 021 90020 |
| 3519 | 270 ohm, 5%, 1/6W Carbon . . . . .                                | 3198 011 02710 | 4691 | Zero ohm "Chip" Jumper . . . . .         | 3198 021 90020 |
| 3520 | 1.2k, 5% . . . . .  | 3198 021 51220 | 4692 | Zero ohm "Chip" Jumper . . . . .         | 3198 021 90020 |
| 3521 | 4.7 ohm, 5%, 1/6W Carbon . . . . .                                | 3198 011 04780 | 4693 | Zero ohm "Chip" Jumper . . . . .         | 3198 021 90020 |
| 3522 | 330k, 5% . . . . .  | 3198 021 53340 | 4901 | Zero ohm "Chip" Jumper . . . . .         | 3198 021 90020 |
| 3523 | 100 ohm, 5%, Fusible Resistor NFR25 . .                           | 2306 204 03101 | 4903 | Zero ohm "Chip" Jumper . . . . .         | 3198 021 90020 |
| 3524 | 56k, 5% . . . . .   | 3198 021 55630 | 4911 | Zero ohm "Chip" Jumper . . . . .         | 3198 021 90020 |
|      |   |                | 4982 | Zero ohm "Chip" Jumper . . . . .         | 3198 021 90020 |
|      |   |                | 5001 | Fixed Inductor, 5.6uH, 10% . . . . .     | 3198 018 25680 |

S = Safety Part Be sure to use exact replacement part.

## 19PS30C121 (continued)

|      |  |                |      |                                     |                |
|------|--|----------------|------|-------------------------------------|----------------|
| 5002 | Fixed Inductor, 0.82uH, 10% . . . . .            | 3198 018 18270 | 7409 | Transistor BC857B . . . . .         | 3198 010 42150 |
| 5201 | Fixed Inductor, 6.8uH, 5% . . . . .              | 3198 018 16880 | 7471 | IC, TDA9302H . . . . .              | 9322 088 25682 |
| 5202 | Fixed Inductor, 10uH, 10% . . . . .              | 3198 018 21090 | 7515 | Opto-Coupler, TCET1103(G) . . . . . | 9322 140 14667 |
| 5241 | Fixed Inductor, 10uH, 10% . . . . .              | 3198 018 21090 | 7520 | IC, TEA1507P/N1 . . . . .           | 9352 673 56112 |
| 5242 | Fixed Inductor, 10uH, 5% . . . . .               | 3198 018 11090 | 7521 | Power FET, STP5NC50FP . . . . .     | 9322 160 71687 |
| 5341 | Fixed Inductor, 22uH, 5% SPT0508 . . . . .       | 2422 535 95365 | 7522 | Transistor BC847B . . . . .         | 3198 010 42030 |
| 5342 | Fixed Inductor Bead, 100MHz . . . . .            | 3198 018 90010 | 7540 | Transistor BC547B . . . . .         | 3198 020 40030 |
| 5408 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7541 | Transistor PDTCL14ET . . . . .      | 9340 310 10215 |
| 5410 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7542 | Transistor BC857B . . . . .         | 3198 010 42150 |
| 5444 | Signal Driver Transformer SC10009-03 . . . . .   | 2422 531 02446 | 7560 | IC, L78L33ACZ . . . . .             | 9322 134 92676 |
| 5445 | LOT Transformer MSL0T4 . . . . .                 | 3128 138 21541 | 7561 | Transistor PDTCL143ZT . . . . .     | 9340 547 00215 |
| 5502 | AC Filter . . . . .                              | 2422 549 44284 | 7580 | Transistor BC857B . . . . .         | 3198 010 42150 |
| 5520 | Transformer SS28011-04 . . . . .                 | 2422 531 02458 | 7602 | IC M24C16-WB6 . . . . .             | 9322 147 25682 |
| 5521 | Fixed Inductor Bead, 100MHz . . . . .            | 3198 018 90010 | 7861 | IC, TDA9853H/V1 . . . . .           | 9352 671 19557 |
| 5560 | Fixed Inductor Bead, 100MHz . . . . .            | 3198 018 90010 | 7901 | IC, AN7522N . . . . .               | 9322 158 65667 |
| 5561 | Fixed Inductor, 27uH, 10% . . . . .              | 3198 018 22790 | 9403 | Jumper Wire . . . . .               | 0322 179 00003 |
| 5562 | Fixed Inductor Bead, 100MHz . . . . .            | 3198 018 90010 | 9696 | Jumper Wire . . . . .               | 0322 179 00003 |
| 5563 | Fixed Inductor Bead, 100MHz . . . . .            | 3198 018 90010 | 9819 | Jumper Wire . . . . .               | 0322 179 00003 |
| 5602 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9890 | Jumper Wire . . . . .               | 0322 179 00003 |
| 5603 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9901 | Jumper Wire . . . . .               | 0322 179 00003 |
| 5604 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9902 | Jumper Wire . . . . .               | 0322 179 00003 |
| 5861 | Fixed Inductor, 10uH, 5% . . . . .               | 3198 018 11090 | 9913 | Jumper Wire . . . . .               | 0322 179 00003 |
| 6001 | Diode Regulator, BZX79-C33 (33Volt) . . . . .    | 3198 010 23390 | 9914 | Jumper Wire . . . . .               | 0322 179 00003 |
| 6201 | Diode, BAV21 . . . . .                           | 3198 010 10630 | CBA  | Main Chassis . . . . .              | 3139 178 89611 |
| 6202 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                     |                |
| 6206 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 |      |                                     |                |
| 6241 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 |      |                                     |                |
| 6311 | Diode, BAV21 . . . . .                           | 3198 010 10070 |      |                                     |                |
| 6321 | Diode, BAV21 . . . . .                           | 3198 010 10070 |      |                                     |                |
| 6331 | Diode, BAV21 . . . . .                           | 3198 010 10070 |      |                                     |                |
| 6341 | Diode, BAV21 . . . . .                           | 3198 010 10070 |      |                                     |                |
| 6342 | Diode, 1N4148 . . . . .                          | 3198 010 10010 |      |                                     |                |
| 6343 | Diode Regulator, BZX384-C8V2 (8.2Volt) . . . . . | 3198 020 58280 |      |                                     |                |
| 6401 | Diode, BAV21 . . . . .                           | 3198 010 10070 |      |                                     |                |
| 6402 | Diode Rectifier, BYV27-200 . . . . .             | 9322 126 72673 |      |                                     |                |
| 6404 | Diode Rectifier, BYD33D . . . . .                | 9337 410 30133 |      |                                     |                |
| 6405 | Diode Rectifier, BYD33D . . . . .                | 9337 234 00133 |      |                                     |                |
| 6406 | Diode, BAV70 . . . . .                           | 9331 849 10215 |      |                                     |                |
| 6407 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                     |                |
| 6408 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                     |                |
| 6409 | Diode Rectifier, BYD33D . . . . .                | 9337 234 00133 |      |                                     |                |
| 6410 | Diode Rectifier, BYD33D . . . . .                | 9337 234 00133 |      |                                     |                |
| 6413 | Diode, 1N4148 . . . . .                          | 3198 010 10010 |      |                                     |                |
| 6414 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 |      |                                     |                |
| 6415 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                     |                |
| 6419 | Diode Regulator, BZX79-C5V6 (5.6Volt) . . . . .  | 3198 010 25680 |      |                                     |                |
| 6420 | Diode Regulator, BZX79-C9V1 (9.1Volt) . . . . .  | 9331 177 80133 |      |                                     |                |
| 6423 | Diode Rectifier, BYD33D . . . . .                | 9337 234 00133 |      |                                     |                |
| 6471 | Diode Rectifier, BYD33D . . . . .                | 9337 234 00133 |      |                                     |                |
| 6500 | Diode Rectifier, 1N5062 . . . . .                | 3198 010 10120 |      |                                     |                |
| 6501 | Diode Rectifier, 1N5062 . . . . .                | 3198 010 10120 |      |                                     |                |
| 6502 | Diode Rectifier, 1N5062 . . . . .                | 3198 010 10120 |      |                                     |                |
| 6503 | Diode Rectifier, 1N5062 . . . . .                | 3198 010 10120 |      |                                     |                |
| 6520 | Diode Rectifier, BYD33D . . . . .                | 9337 234 00133 |      |                                     |                |
| 6523 | Diode, 1N4148 . . . . .                          | 3198 010 10010 |      |                                     |                |
| 6540 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 |      |                                     |                |
| 6541 | Diode Regulator, BZX79-C10 (10Volt) . . . . .    | 3198 010 21090 |      |                                     |                |
| 6560 | Diode Rectifier, BYW76-RAS15/10 . . . . .        | 9322 127 32682 |      |                                     |                |
| 6561 | Diode Rectifier, BYW76-RAS15/10 . . . . .        | 9322 127 32682 |      |                                     |                |
| 6562 | Diode Rectifier, EGP20DL-5100 . . . . .          | 9322 164 42682 |      |                                     |                |
| 6563 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                     |                |
| 6565 | Diode, BAV70 . . . . .                           | 9331 849 10215 |      |                                     |                |
| 6566 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                     |                |
| 6569 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                     |                |
| 6570 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 |      |                                     |                |
| 6580 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                     |                |
| 6581 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                     |                |
| 6681 | Diode, BAT85 . . . . .                           | 9336 247 60133 |      |                                     |                |
| 6691 | LED, VS LTL-10224WHCR . . . . .                  | 9322 050 99682 |      |                                     |                |
| 6692 | IR Receiver, TSOP1836UH3V . . . . .              | 9322 127 54667 |      |                                     |                |
| 6901 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                     |                |
| 7200 | IC, 3US1 Software Cluster . . . . .              | 9352 699 89557 |      |                                     |                |
| 7201 | Transistor BC847B . . . . .                      | 3198 010 42030 |      |                                     |                |
| 7204 | Transistor BC857B . . . . .                      | 3198 010 42150 |      |                                     |                |
| 7241 | Transistor PDTA114ET . . . . .                   | 3198 010 44010 |      |                                     |                |
| 7311 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                     |                |
| 7312 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                     |                |
| 7313 | Transistor BF423 . . . . .                       | 3198 020 43020 |      |                                     |                |
| 7321 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                     |                |
| 7322 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                     |                |
| 7323 | Transistor BF423 . . . . .                       | 3198 020 43020 |      |                                     |                |
| 7331 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                     |                |
| 7332 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                     |                |
| 7333 | Transistor BF423 . . . . .                       | 3198 020 43020 |      |                                     |                |
| 7401 | Transistor PDTCL143ZT . . . . .                  | 9340 547 00215 |      |                                     |                |
| 7402 | Power Transistor BUT11APX-1200 . . . . .         | 9340 563 21127 |      |                                     |                |
| 7403 | Transistor BC337-25 . . . . .                    | 3198 020 43530 |      |                                     |                |
| 7404 | Transistor BC636 . . . . .                       | 9332 219 50126 |      |                                     |                |
| 7405 | Transistor BC857B . . . . .                      | 3198 010 42150 |      |                                     |                |
| 7406 | Transistor BC857B . . . . .                      | 3198 010 42150 |      |                                     |                |
| 7407 | Power Transistor BD135-16 . . . . .              | 3198 020 41190 |      |                                     |                |
| 7408 | Power Transistor BD135-17 . . . . .              | 3198 020 41190 |      |                                     |                |

### Model 19PS30C/121 Cabinet Parts

| Model 19PS30C/121 Cabinet Parts |   |                |  |  |
|---------------------------------|---|----------------|--|--|
| S AC01                          | AC Power Cord . . . . .                   | 3135 010 04771 |  |  |
| AC03                            | Cabinet Back . . . . .                    | 3139 124 36351 |  |  |
| AC04                            | Cabinet Front . . . . .                   | 3139 137 82031 |  |  |
| AC05                            | Chassis Guide . . . . .                   | 3139 124 37561 |  |  |
| AC06                            | Control Buttons . . . . .                 | 3139 124 36341 |  |  |
| S AC08                          | CRT A48EJP03X110 . . . . .                | 9301 826 80361 |  |  |
| S AC09                          | Degaussing Coil . . . . .                 | 2422 549 44428 |  |  |
| AC10                            | Degaussing Coil Holder (2 used) . . . . . | 3135 013 01641 |  |  |
| AC11                            | Light Guide . . . . .                     | 3139 124 36271 |  |  |
| AC13                            | Owner's Manual . . . . .                  | 3121 235 20051 |  |  |
| AC14                            | Power Button . . . . .                    | 3139 124 34271 |  |  |
| REMOTE                          | Remote Transmitter . . . . .              | 3139 228 86461 |  |  |
| AC16                            | Speaker, 8W, 16 ohm . . . . .             | 2422 264 00407 |  |  |
| S AC18                          | Deflection Yoke . . . . .                 | 3306 133 24791 |  |  |
| AC21                            | Batteries f Remote Transmitter . . . . .  | 9299 000 65263 |  |  |
| AC24                            | Degaussing Coil Spring . . . . .          | 3139 121 26231 |  |  |
| AC32                            | Assembly Braid . . . . .                  | 3135 010 07321 |  |  |

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## Main Chassis

|        |  |      |     |       |        |  |      |     |       |
|--------|--|------|-----|-------|--------|--|------|-----|-------|
|        | Main Chassis                                   |      |     |       | 2422   | 470uF, 20%, 16 Volt, Electrolytic. . .     | 2020 | 021 | 91577 |
|        | IC-SPRING 7402 . . . . .                       | 3139 | 121 | 24581 | 2423   | 10uF, 20%, 100V, Electrolytic. . . . .     | 2020 | 021 | 90813 |
| 0139   | IC, 3US1 Software Cluster. . . . .             | 9352 | 699 | 89557 | 2471   | 0.1uF., 10%, 50 Volt, Polyester. . . . .   | 3198 | 014 | 01040 |
| 7200   | Heatsink, Line . . . . .                       | 3139 | 121 | 26992 | 2472   | 0.1uF., 10%, 50 Volt, Polyester. . . . .   | 3198 | 014 | 01040 |
| 0121   | Frame, Heatsink. . . . .                       | 3139 | 121 | 26952 | 2473   | 100uF, 20%, 50V, Electrolytic. . . . .     | 2020 | 021 | 90587 |
| 0122   | Heatsink . . . . .                             | 3139 | 121 | 26941 | 2475   | 470pF., 50 Volt, NP0, Ceramic. . . . .     | 3198 | 016 | 04710 |
| 0124   | Socket, Fuse Holder. . . . .                   | 3122 | 358 | 71251 | 2476   | 0.22uF., 10%, 50 Volt, Polyester. . . . .  | 3198 | 014 | 02240 |
| 0127   | Spring . . . . .                               | 3139 | 121 | 24581 | 2477   | 470pF., 50 Volt, NP0, Ceramic. . . . .     | 3198 | 016 | 04710 |
| 0137   | Spring, IC . . . . .                           | 3104 | 301 | 22081 | 2500   | 0.47uF, 20%, 275 V, Polypropylene . . .    | 2222 | 336 | 29148 |
| 0138   | Spring . . . . .                               | 3122 | 121 | 24786 | 2501   | 2200pF., 1kV, Ceramic. . . . .             | 3198 | 019 | 52220 |
| 0139   | Spring . . . . .                               | 3104 | 301 | 09421 | 2502   | 2200pF., 1kV, Ceramic. . . . .             | 3198 | 019 | 52220 |
| 0152   | Cable Assembly . . . . .                       | 2422 | 025 | 16269 | S 2503 | 220uF, 20%, 200 Volt, Electrolytic . . .   | 2020 | 024 | 90557 |
| 0211   | 2 Pin Connector. . . . .                       | 2422 | 025 | 16375 | 2506   | 2200pF., 1kV, Ceramic. . . . .             | 3198 | 019 | 52220 |
| 0212   | 2 Pin Connector. . . . .                       | 2412 | 020 | 00725 | 2508   | 470pF., 10%, 1KV, Ceramic. . . . .         | 3198 | 019 | 64710 |
| 0217   | 3 Pin Connector. . . . .                       | 2422 | 025 | 04851 | 2515   | 1500pF, 20%, 250 Volt, Ceramic. . . . .    | 2020 | 554 | 90128 |
| 0220   | 3 Pin Connector. . . . .                       | 2422 | 025 | 15503 | 2520   | 0.1uF., 16 Volt, Ceramic. . . . .          | 3198 | 017 | 01040 |
| 0221   | 4 Pin Connector. . . . .                       | 2422 | 025 | 10646 | 2521   | 22uF., 20%, 50V, Electrolytic. . . . .     | 3198 | 025 | 52290 |
| 0222   | 2 Pin Connector. . . . .                       | 2422 | 025 | 04854 | 2522   | 0.1uF., 16 Volt, Ceramic. . . . .          | 3198 | 017 | 01040 |
| 0243   | 6 Pin Connector. . . . .                       | 2422 | 025 | 04851 | 2523   | 1500pF, 10%, 2kV, Ceramic. . . . .         | 2020 | 558 | 90489 |
| 0244   | 3 Pin Connector. . . . .                       | 2422 | 025 | 04854 | 2525   | 470pF., 50 Volt, Ceramic. . . . .          | 3198 | 017 | 04710 |
| 0245   | 6 Pin Connector. . . . .                       | 2422 | 025 | 12481 | 2526   | 1000pF., 50 Volt, Ceramic. . . . .         | 3198 | 017 | 01020 |
| 0246   | 5 Pin Connector. . . . .                       | 2422 | 025 | 80068 | 2527   | 470pF., 50 Volt, Ceramic. . . . .          | 3198 | 017 | 04710 |
| 0254   | CRT Socket, 9 Pin, M-Neck. . . . .             | 2422 | 542 | 90108 | 2540   | 0.015uF., 50 Volt, Ceramic. . . . .        | 3198 | 017 | 01530 |
| 1000   | Tuner, PLL, ENV56D98G3 . . . . .               | 2422 | 549 | 44518 | 2560   | 1000pF., 10%, 1kV, Ceramic. . . . .        | 3198 | 019 | 61020 |
| S 1002 | SAW Filter, 45.75MHz . . . . .                 | 2422 | 549 | 40807 | 2561   | 47uF, 20%, 160V, Electrolytic. . . . .     | 2020 | 021 | 91358 |
| 1200   | Ceramic Filter, 4.5MHz . . . . .               | 2422 | 086 | 10869 | 2562   | 1000pF, 50 Volt, Ceramic. . . . .          | 3198 | 019 | 11020 |
| S 1500 | Fuse, 4 Amp, 250 Volt . . . . .                | 2422 | 086 | 10914 | 2563   | 0.1uF., 10%, 50 Volt, Polyester. . . . .   | 3198 | 014 | 01040 |
| S 1500 | Fuse, 4 A, 250V. . . . .                       | 2422 | 132 | 07444 | 2564   | 2200uF, 20%, 16 Volt, Electrolytic . . .   | 2020 | 012 | 93057 |
| 1515   | Relay, 1 Pin, 12 Volt, 5 Amp . . . . .         | 2422 | 128 | 02742 | 2565   | 470pF., 10%, 1KV, Ceramic. . . . .         | 3198 | 019 | 64710 |
| 1600   | Tactile Switch . . . . .                       | 2422 | 128 | 02742 | 2567   | 47uF., 20%, 25V, Electrolytic. . . . .     | 3198 | 025 | 34790 |
| 1601   | Tactile Switch . . . . .                       | 2422 | 128 | 02742 | 2568   | 1.0uF., 20%, 50V, Electrolytic. . . . .    | 3198 | 025 | 51080 |
| 1602   | Tactile Switch . . . . .                       | 2422 | 128 | 02742 | 2569   | 470pF., 50 Volt, Ceramic. . . . .          | 3198 | 017 | 04710 |
| 1603   | Tactile Switch . . . . .                       | 2422 | 128 | 02742 | 2580   | 47uF., 20%, 25V, Electrolytic. . . . .     | 3198 | 025 | 34790 |
| 1606   | Tactile Switch . . . . .                       | 2422 | 128 | 02742 | 2601   | 0.22uF., 25V, Ceramic. . . . .             | 3198 | 023 | 22240 |
| 1660   | Crystal Resonator, 12.000 MHz. . . . .         | 2422 | 543 | 01203 | 2602   | 100pF., 50 Volt, NP0, Ceramic. . . . .     | 3198 | 016 | 01010 |
| 1861   | Ceramic Resonator, 503.5kHz. . . . .           | 2422 | 540 | 98344 | 2606   | 1000pF., 50 Volt, NP0, Ceramic. . . . .    | 3198 | 016 | 01020 |
| 2004   | 0.047uF., 25 Volt, Ceramic . . . . .           | 3198 | 023 | 04730 | 2607   | 33pF., 5%, 50V, NPO, Ceramic. . . . .      | 3198 | 016 | 03390 |
| 2005   | 10uF., 20%, 50V, Electrolytic. . . . .         | 3198 | 025 | 51090 | 2608   | 1uF., 16V, Ceramic. . . . .                | 3198 | 017 | 21050 |
| 2006   | 470uF., 20%, 16V, Electrolytic . . . . .       | 3198 | 025 | 24710 | 2609   | 33pF., 5%, 50V, NPO, Ceramic. . . . .      | 3198 | 016 | 03390 |
| 2007   | 0.1uF., 25V, Ceramic . . . . .                 | 3198 | 023 | 21040 | 2611   | 1uF., 16V, Ceramic. . . . .                | 3198 | 017 | 21050 |
| 2008   | 100uF., 20%, 25V, Electrolytic . . . . .       | 3198 | 025 | 31010 | 2612   | 68pF., 50 Volt, NP0, Ceramic. . . . .      | 3198 | 016 | 06890 |
| 2009   | 0.022uF., 50 Volt, Ceramic. . . . .            | 3198 | 017 | 02230 | 2613   | 68pF., 50 Volt, NP0, Ceramic. . . . .      | 3198 | 016 | 06890 |
| 2203   | 0.1uF., 25V, Ceramic . . . . .                 | 3198 | 023 | 21040 | 2615   | 1000pF., 50 Volt, NP0, Ceramic. . . . .    | 3198 | 016 | 01020 |
| 2204   | 0.1uF., 25V, Ceramic . . . . .                 | 3198 | 023 | 21040 | 2618   | 1uF., 16V, Ceramic. . . . .                | 3198 | 017 | 21050 |
| 2205   | 0.22uF., 25V, Ceramic. . . . .                 | 3198 | 023 | 22240 | 2619   | 1uF., 16V, Ceramic. . . . .                | 3198 | 017 | 21050 |
| 2208   | 0.1uF., 25V, Ceramic . . . . .                 | 3198 | 023 | 21040 | 2691   | 100uF., 20%, 25V, Electrolytic . . . . .   | 3198 | 025 | 31010 |
| 2209   | 4.7uF., 20%, 50V, Electrolytic . . . . .       | 3198 | 025 | 54780 | 2861   | 0.22uF., 25V, Ceramic. . . . .             | 3198 | 023 | 22240 |
| 2210   | 0.47uF., 20%, 50V, Electrolytic. . . . .       | 3198 | 025 | 54770 | 2862   | 2.2uF., 10 Volt, Ceramic. . . . .          | 3198 | 017 | 22250 |
| 2211   | 0.47uF., 16 Volt, Ceramic. . . . .             | 3198 | 017 | 24740 | 2864   | 2.2uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 52280 |
| 2216   | 470uF., 20%, 16V, Electrolytic . . . . .       | 3198 | 025 | 24710 | 2865   | 2.2uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 52280 |
| 2217   | 0.022uF., 50 Volt, Ceramic. . . . .            | 3198 | 017 | 02230 | 2866   | 2.2uF., 10 Volt, Ceramic. . . . .          | 3198 | 017 | 22250 |
| 2219   | 0.22uF., 25V, Ceramic. . . . .                 | 3198 | 023 | 22240 | 2867   | 3300pF., 50 Volt, Ceramic. . . . .         | 3198 | 017 | 03320 |
| 2226   | 100pF., 50 Volt, NP0, Ceramic. . . . .         | 3198 | 016 | 01010 | 2868   | 150pF., 50 Volt, NP0, Ceramic. . . . .     | 3198 | 016 | 01510 |
| 2227   | 4700pF., 50 Volt, Ceramic. . . . .             | 3198 | 017 | 04720 | 2869   | 0.047uF, 10%, 50V, Polyester. . . . .      | 3198 | 014 | 04730 |
| 2228   | 820pF., 50 Volt, NP0, Ceramic. . . . .         | 3198 | 016 | 08210 | 2870   | 0.047uF, 10%, 50V, Polyester. . . . .      | 3198 | 014 | 04730 |
| 2229   | 10uF., 20%, 50V, Electrolytic. . . . .         | 3198 | 025 | 51090 | 2871   | 150pF., 10%, 50V, Ceramic. . . . .         | 3198 | 019 | 11510 |
| 2233   | 820pF., 50 Volt, NP0, Ceramic. . . . .         | 3198 | 016 | 08210 | 2872   | 3.3nF, 50V, 10%, Polypropylene . . . . .   | 3198 | 014 | 03320 |
| 2241   | 1500pF., 50 Volt, Ceramic. . . . .             | 3198 | 017 | 01520 | 2873   | 2.2uF., 10 Volt, Ceramic. . . . .          | 3198 | 017 | 22250 |
| 2242   | 1uF., 16V, Ceramic . . . . .                   | 3198 | 017 | 21050 | 2874   | 100uF., 20%, 25V, Electrolytic . . . . .   | 3198 | 025 | 31010 |
| 2243   | 2200pF., 50 Volt, Ceramic. . . . .             | 3198 | 017 | 02220 | 2875   | 100uF., 20%, 25V, Electrolytic . . . . .   | 3198 | 025 | 31010 |
| 2244   | 0.1uF., 10%, 63V, Metalized Polyester. . . . . | 2222 | 370 | 75104 | 2876   | 4.7uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 54780 |
| 2245   | 0.22uF., 25V, Ceramic. . . . .                 | 3198 | 023 | 22240 | 2877   | 10uF., 20%, 50V, Electrolytic. . . . .     | 3198 | 025 | 51090 |
| 2247   | 470uF., 20%, 16V, Electrolytic . . . . .       | 3198 | 025 | 24710 | 2878   | 1.0uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 51080 |
| 2248   | 0.022uF., 50 Volt, Ceramic. . . . .            | 3198 | 017 | 02230 | 2879   | 4700pF., 50 Volt, Ceramic. . . . .         | 3198 | 017 | 04720 |
| 2249   | 0.022uF., 50 Volt, Ceramic. . . . .            | 3198 | 017 | 02230 | 2880   | 0.022uF., 50 Volt, Ceramic. . . . .        | 3198 | 017 | 02230 |
| 2250   | 2.2uF., 20%, 50V, Electrolytic . . . . .       | 3198 | 025 | 52280 | 2883   | 470uF., 20%, 16V, Electrolytic . . . . .   | 3198 | 025 | 24710 |
| 2252   | 1000pF., 50 Volt, NP0, Ceramic. . . . .        | 3198 | 016 | 01020 | 2884   | 2.2uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 52280 |
| 2253   | 1000pF., 50 Volt, NP0, Ceramic. . . . .        | 3198 | 016 | 01020 | 2885   | 0.22uF., 10%, 50 Volt, Polyester . . . . . | 3198 | 014 | 02240 |
| 2254   | 100pF., 50 Volt, NP0, Ceramic. . . . .         | 3198 | 016 | 01010 | S 2902 | 220uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 026 | 52210 |
| 2313   | 220pF., 50 Volt, NP0, Ceramic. . . . .         | 3198 | 016 | 02210 | 2903   | 1.0uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 51080 |
| 2323   | 390pF., 50 Volt, NP0, Ceramic. . . . .         | 3198 | 016 | 03910 | 2904   | 0.47uF., 16 Volt, Ceramic. . . . .         | 3198 | 017 | 24740 |
| 2331   | 390pF., 50 Volt, NP0, Ceramic. . . . .         | 3198 | 016 | 03910 | 2905   | 1000pF., 50 Volt, NP0, Ceramic. . . . .    | 3198 | 016 | 01020 |
| 2341   | 2200pF, 10%, 1kV, Ceramic. . . . .             | 2020 | 558 | 90571 | 2906   | 0.47uF., 16 Volt, Ceramic. . . . .         | 3198 | 017 | 24740 |
| 2342   | 0.047uF, 10%, 250 V, Metalized Polyes. . . . . | 2222 | 365 | 45473 | 2907   | 1000pF., 50 Volt, NP0, Ceramic. . . . .    | 3198 | 016 | 01020 |
| 2343   | 0.047uF, 10%, 250 V, Metalized Polyes. . . . . | 2222 | 365 | 45473 | 2908   | 10uF., 20%, 50V, Electrolytic. . . . .     | 3198 | 025 | 51090 |
| 2401   | 680pF., 50 Volt, Ceramic . . . . .             | 3198 | 019 | 16810 | 3000   | 100 ohm, 5%, 1/6 W, Carbon . . . . .       | 3198 | 011 | 01010 |
| 2402   | 820nF, 250V, 5%, Polypropylene . . . . .       | 2222 | 479 | 90029 | 3001   | 100 ohm, 5%, 1/6 W, Carbon . . . . .       | 3198 | 011 | 01010 |
| 2406   | 330pF., 50 Volt, NP0, Ceramic. . . . .         | 3198 | 016 | 03310 | 3002   | Jumper, 0.05 ohm . . . . .                 | 3198 | 021 | 90020 |
| 2407   | 0.01uF., 5%, 1.6kV, Polypropylene. . . . .     | 2222 | 375 | 90154 | 3003   | 1.5k, 5% . . . . .                         | 3198 | 021 | 51520 |
| 2408   | 0.022uF., 50V, Ceramic . . . . .               | 3198 | 019 | 22230 | 3004   | 8.2k, 5%, . . . . .                        | 3198 | 021 | 58220 |
| 2409   | 47uF, 20%, 160 Volt, Electrolytic. . . . .     | 2020 | 021 | 91139 | 3005   | 100 ohm, 5%, 1/6 W, Carbon . . . . .       | 3198 | 011 | 01010 |
| 2410   | 470uF, 20%, 16 Volt, Electrolytic. . . . .     | 2020 | 021 | 91577 | 3200   | 390 ohm, 5%, 1/6 W, Carbon . . . . .       | 3198 | 011 | 03910 |
| 2411   | 47uF., 20%, 25V, Electrolytic. . . . .         | 2020 | 021 | 90586 | 3201   | 100 ohm, 5%, 1/6 W, Carbon . . . . .       | 3198 | 011 | 01010 |
| 2412   | 0.033uF, 10%, 100 V, Polyester . . . . .       | 2222 | 347 | 90236 | 3202   | 100 ohm, 5%, 1/6 W, Carbon . . . . .       | 3198 | 011 | 01010 |
| 2413   | 10uF, 20%, 250 Volt, Electrolytic. . . . .     | 2020 | 012 | 93495 | 3203   | 100 ohm, 5%, 1/6 W, Carbon . . . . .       | 3198 | 011 | 01010 |
| 2414   | 1000uF, 20%, 16 Volt, Electrolytic . . . . .   | 2020 | 021 | 91049 | 3204   | 10k, 5%, 1/6 W, Carbon . . . . .           | 3198 | 011 | 01030 |
| 2416   | 820pF, 10%, 2kV, Ceramic. . . . .              | 2020 | 558 | 90486 | 3206   | 100k, 5%, . . . . .                        | 3198 | 021 | 51040 |
| S 2417 | 1000uF, 20%, 16 Volt, Electrolytic . . . . .   | 2020 | 021 | 91049 | 3207   | 1k, 5%, 1/6 W, Carbon. . . . .             | 3198 | 011 | 01020 |
| 2418   | 0.01uF., 50 Volt, Ceramic . . . . .            | 3198 | 017 | 01030 | 3208   | 220 ohm 5%, . . . . .                      | 3198 | 021 | 52210 |
| 2419   | 1uF., 20%, 50V, Electrolytic . . . . .         | 2020 | 021 | 91147 | 3209   | 68 ohm, 5% . . . . .                       | 3198 | 021 | 56890 |
| 2420   | 1.0uF., 20%, 50V, Electrolytic . . . . .       | 3198 | 025 | 51080 | 3212   | 470 ohm, 5%, . . . . .                     | 3198 | 021 | 54710 |
| 2421   | 0.047uF., 50 Volt, Ceramic . . . . .           | 3198 | 017 | 24730 | 3213   | 560 ohm, 5%, 1/6W, Carbon. . . . .         | 3198 | 011 | 05610 |

S = Safety Part Be sure to use exact replacement part.

# 19PS30C122 (continued)

|        |                                     |                |        |                                   |                |
|--------|-------------------------------------|----------------|--------|-----------------------------------|----------------|
| 3217   | 330k, 5%                            | 3198 021 53340 | 3524   | 56k, 5%                           | 3198 021 55630 |
| 3218   | 82k, 5%                             | 3198 021 58230 | 3525   | 1k, 5%                            | 3198 021 51020 |
| 3219   | 2.2k, 5%                            | 3198 021 52220 | S 3526 | Power Resistor, 0.15 ohm, 5%, 1W  | 3198 012 11570 |
| 3226   | 560 ohm, 5%                         | 3198 021 55610 | S 3527 | Fusible Resistor, 2.2k, 5%        | 2306 204 03222 |
| 3232   | 2.2k, 5%                            | 3198 021 52220 | 3528   | 10k, 5%                           | 3198 021 51030 |
| 3235   | 100 ohm, 5%, 1/6 W, Carbon          | 3198 011 01010 | 3529   | 47k, 5%                           | 3198 021 54730 |
| 3241   | 22k, 5%                             | 3198 021 52230 | 3530   | 4.7k, 5%                          | 3198 021 54720 |
| 3242   | 27k, 5%                             | 3198 021 52730 | 3531   | Jumper, 0.05 ohm                  | 3198 021 90020 |
| 3244   | 820 ohm, 5%, 1/6W, Carbon Film      | 3198 011 08210 | 3541   | 470 ohm, 5%                       | 3198 021 54710 |
| 3245   | 39k, 5%                             | 3198 021 53930 | 3542   | 1.5k, 5%                          | 3198 021 51520 |
| 3246   | 10k, 5%                             | 3198 021 51030 | 3543   | 82k, 1%, Metal Film               | 2322 156 28203 |
| 3247   | 220k, 5%                            | 3198 021 52240 | 3544   | 6.8k, 1%, Metal Film              | 2322 156 26802 |
| 3248   | 27k, 5%                             | 3198 021 52730 | 3545   | 82k, 5%                           | 3198 021 58230 |
| 3249   | 820 ohm, 5%, 1/6W, Carbon Film      | 3198 011 08210 | 3546   | Jumper, 0.05 ohm                  | 3198 021 90020 |
| 3251   | 100 ohm, 5%, 1/6 W, Carbon          | 3198 011 01010 | S 3547 | Power Resistor, 0.33 ohm, 5%, 1 W | 3198 012 13370 |
| 3254   | 1 Meg, 5%                           | 3198 021 51050 | 3548   | 8.2k, 5%                          | 3198 021 58220 |
| 3256   | 1k, 5%                              | 3198 021 51020 | 3549   | 220 ohm, 5%, 1/6 W, Carbon        | 3198 011 02210 |
| 3257   | 10 Meg, 5%                          | 3198 021 51060 | 3552   | 10k, 5%                           | 3198 021 51030 |
| 3258   | 330k, 5%                            | 3198 021 53340 | 3559   | 1k, 5%                            | 3198 021 51020 |
| 3259   | 470k, 5%                            | 3198 021 54740 | 3561   | 100 ohm, 5%, 1/6 W, Carbon        | 3198 011 01010 |
| 3311   | 1.5k, 5%                            | 3198 021 51520 | 3562   | 10k, 5%                           | 3198 021 51030 |
| 3312   | 330 ohm 5%                          | 3198 021 53310 | 3563   | 4.7k, 5%                          | 3198 021 54720 |
| 3313   | 10 ohm, 5%                          | 3198 021 51090 | S 3564 | Power Resistor, 4.7 ohm, 5%, 2 W  | 3198 012 24780 |
| S 3314 | 18k, 5%, 3W, Metal Film             | 2322 195 63183 | 3565   | Power Resistor, 330 ohm, 5%, 1 W  | 3198 012 13310 |
| S 3316 | 68 ohm, 5%, Fusible Resistor        | 2306 204 03689 | 3566   | 2.2k, 5%                          | 3198 021 52220 |
| S 3317 | 1.5k, 20%, 1/2W, Carbon Composition | 3198 013 01520 | 3569   | 5.6k, 5%                          | 3198 021 55620 |
| 3321   | 1.5k, 5%                            | 3198 021 51520 | 3580   | 47k, 5%                           | 3198 021 54730 |
| 3322   | 330 ohm 5%                          | 3198 021 53310 | 3603   | 100 ohm, 5%, 1/6 W, Carbon        | 3198 011 01010 |
| 3323   | 10 ohm, 5%                          | 3198 021 51090 | 3604   | 100 ohm, 5%, 1/6 W, Carbon        | 3198 011 01010 |
| S 3324 | 18k, 5%, 3W, Metal Film             | 2322 195 63183 | 3605   | 4.7k, 5%                          | 3198 021 54720 |
| S 3326 | 68 ohm, 5%, Fusible Resistor        | 2306 204 03689 | 3606   | 2.2k, 5%, 1/6 W, Carbon           | 3198 011 02220 |
| S 3327 | 1.5k, 20%, 1/2W, Carbon Composition | 3198 013 01520 | 3607   | 2.2k, 5%, 1/6 W, Carbon           | 3198 011 02220 |
| 3331   | 1.5k, 5%                            | 3198 021 51520 | 3608   | 100 ohm, 5%, 1/6 W, Carbon        | 3198 011 01010 |
| 3332   | 330 ohm 5%                          | 3198 021 53310 | 3611   | 100 ohm, 5%                       | 3198 021 51010 |
| 3333   | 10 ohm, 5%                          | 3198 021 51090 | 3618   | 6.8k, 5%, 1/6 W, Carbon           | 3198 011 06820 |
| S 3334 | 18k, 5%, 3W, Metal Film             | 2322 195 63183 | 3622   | 100 ohm, 5%                       | 3198 021 51010 |
| S 3336 | 68 ohm, 5%, Fusible Resistor        | 2306 204 03689 | 3623   | 4.7k, 5%                          | 3198 021 54720 |
| S 3337 | 1.5k, 20%, 1/2W, Carbon Composition | 3198 013 01520 | 3624   | 100 ohm, 5%, 1/6 W, Carbon        | 3198 011 01010 |
| S 3341 | 1.5k, 20%, 1/2W, Carbon Composition | 3198 013 01520 | 3625   | 100 ohm, 5%, 1/6 W, Carbon        | 3198 011 01010 |
| S 3347 | 220 ohm, 5%, Fusible Resistor       | 2306 204 03221 | 3626   | 4.7k, 5%                          | 3198 021 54720 |
| S 3348 | 1.5k, 20%, 1/2W, Carbon Composition | 3198 013 01520 | 3627   | 4.7k, 5%                          | 3198 021 54720 |
| S 3349 | 1.2 ohm, 5%, Fusible Resistor       | 2306 204 03128 | 3628   | 10k, 5%                           | 3198 021 51030 |
| S 3350 | 1.2 ohm, 5%, Fusible Resistor       | 2306 204 03128 | 3630   | 2.2k, 5%                          | 3198 021 52220 |
| 3401   | 330k, 5%, 1/2W, Metalized Glass     | 2322 242 13334 | 3632   | Jumper, 0.05 ohm                  | 3198 021 90020 |
| 3402   | 18k, 5%, 1/6W, Carbon               | 3198 011 01830 | 3636   | 100 ohm, 5%                       | 3198 021 51010 |
| S 3403 | Power Resistor, 22 ohm, 5%, 3 W     | 3198 012 32290 | 3681   | 390 ohm, 5%                       | 3198 021 53910 |
| S 3404 | Fusible Resistor, 6.8 ohm, 5%       | 2306 204 03688 | 3682   | 3.3k, 5%                          | 3198 021 53320 |
| 3406   | 10k, 5%, 1/6 W, Carbon              | 3198 011 01030 | 3683   | 390 ohm, 5%                       | 3198 021 53910 |
| S 3407 | 220 ohm, 5%, 3W, Metal Film         | 2322 195 63221 | 3684   | 560 ohm, 5%                       | 3198 021 55610 |
| 3408   | 1k, 5%, 1/6 W, Carbon               | 3198 011 01020 | 3685   | 560 ohm, 5%                       | 3198 021 55610 |
| 3410   | 33k, 5%                             | 3198 021 53330 | 3686   | 1.5k, 5%                          | 3198 021 51520 |
| S 3411 | Fusible Resistor, 10 ohm, 5%        | 2306 204 03109 | 3691   | 330 ohm 5%                        | 3198 021 53310 |
| 3412   | 3.3k, 1%, Metal Film                | 2322 156 23302 | 3693   | 220 ohm 5%                        | 3198 021 52210 |
| 3413   | 10k, 5%                             | 3198 021 51030 | 3694   | 4.7k, 5%                          | 3198 021 54720 |
| 3414   | 1.5k, 1%, Metal Film                | 2322 156 21502 | 3861   | 100k, 5%                          | 3198 021 51040 |
| 3415   | 1k, 5%, 1/6 W, Carbon               | 3198 011 01020 | 3862   | 15k, 5%                           | 3198 021 51530 |
| S 3416 | 3.9 ohm, 5%, Fusible Resistor       | 2306 207 03398 | 3863   | 1.2k, 5%                          | 3198 021 51220 |
| 3417   | 33k, 5%, 1/6W, Carbon               | 3198 011 03330 | 3864   | 100 ohm, 5%                       | 3198 021 51010 |
| 3418   | 33k, 5%                             | 3198 021 53330 | 3865   | 100 ohm, 5%, 1/6 W, Carbon        | 3198 011 01010 |
| 3419   | 6.8k, 5%                            | 3198 021 56820 | 3866   | 100 ohm, 5%, 1/6 W, Carbon        | 3198 011 01010 |
| 3420   | 33k, 5%                             | 3198 021 53330 | 3867   | 3.3k, 5%                          | 3198 021 53320 |
| S 3421 | Power Resistor, 6.8 ohm, 5%, 2 W    | 3198 012 26880 | 3901   | 1k, 5%                            | 3198 021 51020 |
| 3422   | 100 ohm, 5%                         | 3198 021 51010 | 3902   | 3.3k, 5%                          | 3198 021 53320 |
| 3423   | 820 ohm, 5%                         | 3198 021 58210 | 3903   | 15k, 5%                           | 3198 021 51530 |
| 3424   | 100 ohm, 5%, 1/6 W, Carbon          | 3198 011 01010 | 3904   | 10k, 5%                           | 3198 021 51030 |
| 3425   | 15k, 5%, 1/6 W, Carbon              | 3198 011 01530 | 3905   | 15k, 5%                           | 3198 021 51530 |
| 3426   | Jumper, 0.05 ohm                    | 3198 021 90020 | 3906   | 10k, 5%                           | 3198 021 51030 |
| 3427   | 12k, 5%, 1/6 W, Carbon              | 3198 011 01230 | 3907   | 8.2k, 5%                          | 3198 021 58220 |
| S 3428 | 39 ohm, 5%, Fusible Resistor        | 2306 207 03399 | 4001   | Jumper, 0.05 ohm                  | 3198 021 90020 |
| 3431   | Jumper, 0.05 ohm                    | 3198 021 90020 | 4002   | Jumper, 0.05 ohm                  | 3198 021 90020 |
| 3432   | 22 ohm, 5%, 1/6W, Carbon            | 3198 011 02290 | 4181   | Jumper, 0.05 ohm                  | 3198 021 90020 |
| 3471   | 4.7 ohm, 1%, 0.6W, Metal Film       | 2322 156 24708 | 4214   | Jumper, 0.05 ohm                  | 3198 021 90020 |
| 3472   | 4.7 ohm, 1%, 0.6W, Metal Film       | 2322 156 24708 | 4216   | Jumper, 0.05 ohm                  | 3198 021 90020 |
| 3473   | 2.2k, 1%, Metal Film                | 2322 156 22202 | 4217   | Jumper, 0.05 ohm                  | 3198 021 90020 |
| 3474   | 1k, 5%, 1/6 W, Carbon               | 3198 011 01020 | 4410   | Jumper, 0.05 ohm                  | 3198 021 90020 |
| 3475   | 2.2k, 1%, Metal Film                | 2322 156 22202 | 4501   | Jumper, 0.05 ohm                  | 3198 021 90020 |
| S 3476 | 1.5 ohm, 5%, Fusible resistor       | 2306 204 03158 | 4613   | Jumper, 0.05 ohm                  | 3198 021 90020 |
| 3477   | 220 ohm, 5%, 1/6 W, Carbon          | 3198 011 02210 | 4614   | Jumper, 0.05 ohm                  | 3198 021 90020 |
| 3478   | 220 ohm, 5%, 1/6 W, Carbon          | 3198 011 02210 | 4615   | Jumper, 0.05 ohm                  | 3198 021 90020 |
| 3479   | 1k, 5%, 1/6 W, Carbon               | 3198 011 01020 | 4616   | Jumper, 0.05 ohm                  | 3198 021 90020 |
| S 3500 | 3.3 Meg ohm, 5%, Metalized Glass    | 2322 242 13335 | 4617   | Jumper, 0.05 ohm                  | 3198 021 90020 |
| S 3501 | 3.3 Meg ohm, 5%, Metalized Glass    | 2322 242 13335 | 4618   | Jumper, 0.05 ohm                  | 3198 021 90020 |
| S 3502 | NTC, 4.7 ohm, 20%, 3 W              | 2122 612 00055 | 4619   | Jumper, 0.05 ohm                  | 3198 021 90020 |
| S 3503 | PTC, 10 ohm, 30%, 120 Volt          | 2120 661 00026 | 4622   | Jumper, 0.05 ohm                  | 3198 021 90020 |
| 3506   | 220 ohm, 20%, 1/2 W, Carbon         | 3198 013 02210 | 4623   | Jumper, 0.05 ohm                  | 3198 021 90020 |
| S 3507 | 300 V Surge Protector               | 2422 549 43073 | 4691   | Jumper, 0.05 ohm                  | 3198 021 90020 |
| 3508   | 1.5 Meg, 5%, Metalized Glass        | 2322 242 13155 | 4692   | Jumper, 0.05 ohm                  | 3198 021 90020 |
| 3519   | 270 ohm, 5%, 1/6 W, Carbon          | 3198 011 02710 | 4693   | Jumper, 0.05 ohm                  | 3198 021 90020 |
| 3520   | 1.2k, 5%                            | 3198 021 51220 | 4901   | Jumper, 0.05 ohm                  | 3198 021 90020 |
| 3521   | 4.7 ohm, 5%, 1/6W, Carbon           | 3198 011 04780 | 4903   | Jumper, 0.05 ohm                  | 3198 021 90020 |
| 3522   | 330k, 5%                            | 3198 021 53340 | 4911   | Jumper, 0.05 ohm                  | 3198 021 90020 |
| S 3523 | Fusible Resistor, 100 ohm, 5%       | 2306 204 03101 | 4982   | Jumper, 0.05 ohm                  | 3198 021 90020 |

S = Safety Part      Be sure to use exact replacement part.

# 19PS30C122 (continued)

|        |  |                |        |   |                |
|--------|--|----------------|--------|---|----------------|
| 5001   | Fixed Inductor, 5.6uH., 10% . . . . .          | 3198 018 25680 | S 7408 | Transistor, Power, BD135-16. . . . .    | 3198 020 41190 |
| 5002   | Fixed Inductor, 0.82uH., 10% . . . . .         | 3198 018 18270 | 7409   | Transistor, Signal, BC857B . . . . .    | 3198 010 42150 |
| 5201   | Fixed Inductor, 6.8uH., 5% . . . . .           | 3198 018 16880 | 7471   | IC, TDA9302H . . . . .                  | 9322 088 25682 |
| 5202   | Fixed Inductor, 10uH., 10% . . . . .           | 3198 018 21090 | S 7515 | Opto Coupler TCET1103. . . . .          | 9322 140 14667 |
| 5241   | Fixed Inductor, 10uH., 10% . . . . .           | 3198 018 21090 | 7520   | IC, TEA1507P/N1. . . . .                | 9352 673 56112 |
| 5242   | Fixed Inductor, 10uH., 5% . . . . .            | 3198 018 11090 | 7521   | FET, Power, STP5NC50FP. . . . .         | 9322 160 71687 |
| 5341   | Inductor SPT0508 22uH., 5% . . . . .           | 2422 535 95365 | 7522   | Transistor, Signal, BC847B . . . . .    | 3198 010 42030 |
| 5342   | Fixed Inductor Bead, 100MHz, 50 ohm. . . . .   | 3198 018 90010 | 7540   | Transistor, Signal, BC547B . . . . .    | 3198 020 40030 |
| 5408   | Fixed Inductor, 27uH., 5%, SPT0508 . . . . .   | 2422 535 95366 | 7541   | Transistor, Signal, PDTCL14ET. . . . .  | 9340 310 10215 |
| 5410   | Fixed Inductor, 27uH., 5%, SPT0508 . . . . .   | 2422 535 95366 | 7542   | Transistor, Signal, BC857B . . . . .    | 3198 010 42150 |
| 5444   | Transformer, Signal Driver, SC10009-0. . . . . | 2422 531 02446 | 7560   | IC, LE33CZ . . . . .                    | 9322 106 11676 |
| 5445   | Transformer, LOT, MSL0T4 . . . . .             | 3128 138 21541 | 7561   | Transistor, Signal, PDTCL143ZT. . . . . | 9340 547 00215 |
| S 5502 | AC Filter, 5MHz., 1 Amp. . . . .               | 2422 549 44284 | 7580   | Transistor, Signal, BC857B . . . . .    | 3198 010 42150 |
| 5520   | Transformer, SMT Layer, SS28011-04 . . . . .   | 2422 531 02458 | 7602   | IC, M24C16-WBN6. . . . .                | 9322 147 25682 |
| 5521   | Fixed Inductor Bead, 100MHz, 50 ohm. . . . .   | 3198 018 90010 | 7861   | IC, TDA9853H/V1. . . . .                | 9352 671 19557 |
| 5560   | Fixed Inductor Bead, 100MHz, 50 ohm. . . . .   | 3198 018 90010 | 7901   | IC, AN7522N. . . . .                    | 9322 158 65667 |
| 5561   | Fixed Inductor 27uH., 10% . . . . .            | 3198 018 22790 | 9001   | Jumper . . . . .                        | 3198 036 90010 |
| 5562   | Fixed Inductor Bead, 100MHz, 50 ohm. . . . .   | 3198 018 90010 | 9171   | Jumper . . . . .                        | 3198 036 90010 |
| 5563   | Fixed Inductor Bead, 100MHz, 50 ohm. . . . .   | 3198 018 90010 | 9172   | Jumper . . . . .                        | 3198 036 90010 |
| 5602   | Fixed Inductor, 5.6uH., 5% . . . . .           | 3198 018 15680 | 9173   | Jumper . . . . .                        | 3198 036 90010 |
| 5603   | Fixed Inductor, 5.6uH., 5% . . . . .           | 3198 018 15680 | 9174   | Jumper . . . . .                        | 3198 036 90010 |
| 5604   | Fixed Inductor, 5.6uH., 5% . . . . .           | 3198 018 15680 | 9175   | Jumper . . . . .                        | 3198 036 90010 |
| 5861   | Fixed Inductor, 10uH., 5% . . . . .            | 3198 018 11090 | 9177   | Jumper . . . . .                        | 3198 036 90010 |
| 6001   | Diode, Regulator, BZX79-C33, 33 Volt . . . . . | 3198 010 23390 | 9182   | Jumper . . . . .                        | 3198 036 90010 |
| 6201   | Diode, Signal, BAS316. . . . .                 | 3198 010 10630 | 9183   | Jumper . . . . .                        | 3198 036 90010 |
| 6202   | Diode, Signal, BAS316. . . . .                 | 3198 010 10630 | 9191   | Jumper . . . . .                        | 3198 036 90010 |
| 6206   | Diode, Regulator, BZX384-C, 6.8 Volt . . . . . | 3198 020 56880 | 9192   | Jumper . . . . .                        | 3198 036 90010 |
| 6241   | Diode, Regulator, BZX384-C, 6.8 Volt . . . . . | 3198 020 56880 | 9193   | Jumper . . . . .                        | 3198 036 90010 |
| 6311   | Diode, Signal, BAV21 . . . . .                 | 3198 010 10070 | 9301   | Jumper . . . . .                        | 3198 036 90010 |
| 6321   | Diode, Signal, BAV21 . . . . .                 | 3198 010 10070 | 9302   | Jumper . . . . .                        | 3198 036 90010 |
| 6331   | Diode, Signal, BAV21 . . . . .                 | 3198 010 10070 | 9303   | Jumper . . . . .                        | 3198 036 90010 |
| 6341   | Diode, Signal, BAV21 . . . . .                 | 3198 010 10070 | 9304   | Jumper . . . . .                        | 3198 036 90010 |
| 6342   | Diode, Signal, 1SS135. . . . .                 | 9322 038 00673 | 9402   | Jumper . . . . .                        | 3198 036 90010 |
| 6343   | Diode, Regulator, BZX384-C, 8.2 Volt . . . . . | 3198 020 58280 | 9403   | Jumper . . . . .                        | 3198 036 90010 |
| 6401   | Diode, Signal, BAV21 . . . . .                 | 3198 010 10070 | 9404   | Jumper . . . . .                        | 3198 036 90010 |
| 6402   | Diode, Rectifier, BYV27-200. . . . .           | 9322 126 72673 | 9420   | Jumper . . . . .                        | 3198 036 90010 |
| 6404   | Diode, Rectifier, BYD33M . . . . .             | 9337 410 30133 | 9421   | Jumper . . . . .                        | 3198 036 90010 |
| 6405   | Diode, Rectifier, BYD 33D. . . . .             | 9337 234 00133 | 9425   | Jumper . . . . .                        | 3198 036 90010 |
| 6406   | Diode, Signal, BAV70 . . . . .                 | 9331 849 10215 | 9426   | Jumper . . . . .                        | 3198 036 90010 |
| 6407   | Diode, Signal, BAS316. . . . .                 | 3198 010 10630 | 9427   | Jumper . . . . .                        | 3198 036 90010 |
| 6408   | Diode, Signal, BAS316. . . . .                 | 3198 010 10630 | 9428   | Jumper . . . . .                        | 3198 036 90010 |
| 6409   | Diode, Rectifier, BYD 33D. . . . .             | 9337 234 00133 | 9430   | Jumper . . . . .                        | 3198 036 90010 |
| 6410   | Diode, Rectifier, BYD 33D. . . . .             | 9337 234 00133 | 9431   | Jumper . . . . .                        | 3198 036 90010 |
| 6413   | Diode, Signal, 1N4148. . . . .                 | 3198 010 10010 | 9432   | Jumper . . . . .                        | 3198 036 90010 |
| 6414   | Diode, Regulator, BZX79-B6V2, 6.2 Vol. . . . . | 9331 668 30133 | 9433   | Jumper . . . . .                        | 3198 036 90010 |
| 6415   | Diode, Signal, BAS316. . . . .                 | 3198 010 10630 | 9434   | Jumper . . . . .                        | 3198 036 90010 |
| 6419   | Diode, Regulator, BZX79-C5V6, 5.6 Vol. . . . . | 9331 177 30133 | 9471   | Jumper . . . . .                        | 3198 036 90010 |
| 6420   | Diode, Regulator, BZX79-C9V1, 9.1 Vol. . . . . | 9331 177 80133 | 9500   | Jumper . . . . .                        | 3198 036 90010 |
| 6423   | Diode, Rectifier, BYD 33D. . . . .             | 9337 234 00133 | 9501   | Jumper . . . . .                        | 3198 036 90010 |
| 6471   | Diode, Rectifier, BYD 33D. . . . .             | 9337 234 00133 | 9504   | Jumper . . . . .                        | 3198 036 90010 |
| 6500   | Diode, Rectifier, 1N5062 . . . . .             | 3198 010 10120 | 9506   | Jumper . . . . .                        | 3198 036 90010 |
| 6501   | Diode, Rectifier, 1N5062 . . . . .             | 3198 010 10120 | 9507   | Jumper . . . . .                        | 3198 036 90010 |
| 6502   | Diode, Rectifier, 1N5062 . . . . .             | 3198 010 10120 | 9508   | Jumper . . . . .                        | 3198 036 90010 |
| 6503   | Diode, Rectifier, 1N5062 . . . . .             | 3198 010 10120 | 9509   | Jumper . . . . .                        | 3198 036 90010 |
| 6520   | Diode, Rectifier, BYD 33D. . . . .             | 9337 234 00133 | 9510   | Jumper . . . . .                        | 3198 036 90010 |
| 6523   | Diode, Signal, 1N4148. . . . .                 | 3198 010 10010 | 9511   | Jumper . . . . .                        | 3198 036 90010 |
| 6540   | Diode, Regulator, BZX79-B6V2, 6.2 Vol. . . . . | 9331 668 30133 | 9512   | Jumper . . . . .                        | 3198 036 90010 |
| 6541   | Diode, Regulator, BZX79-C10, 10 Volt . . . . . | 3198 010 21090 | 9513   | Jumper . . . . .                        | 3198 036 90010 |
| 6560   | Diode, Rectifier, BYW76-RAS15/10. . . . .      | 9322 127 32682 | 9514   | Jumper . . . . .                        | 3198 036 90010 |
| 6561   | Diode, Rectifier, BYW76-RAS15/10. . . . .      | 9322 127 32682 | 9517   | Jumper . . . . .                        | 3198 036 90010 |
| 6562   | Diode, Rectifier, EGP20DL-5100 . . . . .       | 9322 164 42682 | 9520   | Jumper . . . . .                        | 3198 036 90010 |
| 6563   | Diode, Signal, BAS316. . . . .                 | 3198 010 10630 | 9521   | Jumper . . . . .                        | 3198 036 90010 |
| 6565   | Diode, Signal, BAV70 . . . . .                 | 9331 849 10215 | 9522   | Jumper . . . . .                        | 3198 036 90010 |
| 6566   | Diode, Signal, BAS316. . . . .                 | 3198 010 10630 | 9523   | Jumper . . . . .                        | 3198 036 90010 |
| 6569   | Diode, Signal, BAS316. . . . .                 | 3198 010 10630 | 9524   | Jumper . . . . .                        | 3198 036 90010 |
| 6570   | Diode, Regulator, BZX384-C, 6.8 Volt . . . . . | 3198 020 56880 | 9610   | Jumper . . . . .                        | 3198 036 90010 |
| 6580   | Diode, Signal, BAS316. . . . .                 | 3198 010 10630 | 9611   | Jumper . . . . .                        | 3198 036 90010 |
| 6581   | Diode, Signal, BAS316. . . . .                 | 3198 010 10630 | 9612   | Jumper . . . . .                        | 3198 036 90010 |
| 6681   | Diode, Signal, BAT85 . . . . .                 | 9336 247 60133 | 9613   | Jumper . . . . .                        | 3198 036 90010 |
| 6691   | LED, VS LTL-10224WHCR . . . . .                | 9322 050 99682 | 9614   | Jumper . . . . .                        | 3198 036 90010 |
| 6692   | IR Receiver, TSOP1836UH3VL . . . . .           | 9322 127 54667 | 9615   | Jumper . . . . .                        | 3198 036 90010 |
| 6901   | Jumper, 0.05 ohm . . . . .                     | 3198 021 90020 | 9616   | Jumper . . . . .                        | 3198 036 90010 |
| 7200   | IC, TDA9587H/N1/3/0483 . . . . .               | 9352 699 89557 | 9617   | Jumper . . . . .                        | 3198 036 90010 |
| 7201   | Transistor, Signal, BC847B . . . . .           | 3198 010 42030 | 9619   | Jumper . . . . .                        | 3198 036 90010 |
| 7204   | Transistor, Signal, BC857B . . . . .           | 3198 010 42150 | 9620   | Jumper . . . . .                        | 3198 036 90010 |
| 7241   | Transistor, Signal, PDTA114ET. . . . .         | 3198 010 44010 | 9621   | Jumper . . . . .                        | 3198 036 90010 |
| 7311   | Transistor, Signal, BF422. . . . .             | 3198 020 43010 | 9622   | Jumper . . . . .                        | 3198 036 90010 |
| 7312   | Transistor, Signal, BF422. . . . .             | 3198 020 43010 | 9623   | Jumper . . . . .                        | 3198 036 90010 |
| 7313   | Transistor, Signal, BF423 . . . . .            | 3198 020 43020 | 9624   | Jumper . . . . .                        | 3198 036 90010 |
| 7321   | Transistor, Signal, BF422. . . . .             | 3198 020 43010 | 9625   | Jumper . . . . .                        | 3198 036 90010 |
| 7322   | Transistor, Signal, BF422. . . . .             | 3198 020 43010 | 9626   | Jumper . . . . .                        | 3198 036 90010 |
| 7323   | Transistor, Signal, BF423 . . . . .            | 3198 020 43020 | 9627   | Jumper . . . . .                        | 3198 036 90010 |
| 7331   | Transistor, Signal, BF422. . . . .             | 3198 020 43010 | 9628   | Jumper . . . . .                        | 3198 036 90010 |
| 7332   | Transistor, Signal, BF422. . . . .             | 3198 020 43010 | 9629   | Jumper . . . . .                        | 3198 036 90010 |
| 7333   | Transistor, Signal, BF423 . . . . .            | 3198 020 43020 | 9630   | Jumper . . . . .                        | 3198 036 90010 |
| 7401   | Transistor, Signal, PDTCL143ZT. . . . .        | 9340 547 00215 | 9631   | Jumper . . . . .                        | 3198 036 90010 |
| 7402   | Power Transistor, BUT11APX-1200. . . . .       | 9340 563 21127 | 9632   | Jumper . . . . .                        | 3198 036 90010 |
| 7403   | Transistor, Signal, BC337-25. . . . .          | 3198 020 43530 | 9633   | Jumper . . . . .                        | 3198 036 90010 |
| 7404   | Transistor, Signal, BC636. . . . .             | 9332 219 50126 | 9634   | Jumper . . . . .                        | 3198 036 90010 |
| 7405   | Transistor, Signal, BC857B . . . . .           | 3198 010 42150 | 9635   | Jumper . . . . .                        | 3198 036 90010 |
| 7406   | Transistor, Signal, BC857B . . . . .           | 3198 010 42150 | 9636   | Jumper . . . . .                        | 3198 036 90010 |
| S 7407 | Transistor, Power, BD135-16. . . . .           | 3198 020 41190 | 9637   | Jumper . . . . .                        | 3198 036 90010 |

S = Safety Part Be sure to use exact replacement part.



## 19PS30C122 (continued)

|      |              |                |
|------|--------------|----------------|
| 9638 | Jumper       | 3198 036 90010 |
| 9639 | Jumper       | 3198 036 90010 |
| 9640 | Jumper       | 3198 036 90010 |
| 9641 | Jumper       | 3198 036 90010 |
| 9642 | Jumper       | 3198 036 90010 |
| 9643 | Jumper       | 3198 036 90010 |
| 9644 | Jumper       | 3198 036 90010 |
| 9645 | Jumper       | 3198 036 90010 |
| 9648 | Jumper       | 3198 036 90010 |
| 9650 | Jumper       | 3198 036 90010 |
| 9653 | Jumper       | 3198 036 90010 |
| 9654 | Jumper       | 3198 036 90010 |
| 9655 | Jumper       | 3198 036 90010 |
| 9656 | Jumper       | 3198 036 90010 |
| 9657 | Jumper       | 3198 036 90010 |
| 9658 | Jumper       | 3198 036 90010 |
| 9659 | Jumper       | 3198 036 90010 |
| 9660 | Jumper       | 3198 036 90010 |
| 9661 | Jumper       | 3198 036 90010 |
| 9662 | Jumper       | 3198 036 90010 |
| 9663 | Jumper       | 3198 036 90010 |
| 9664 | Jumper       | 3198 036 90010 |
| 9665 | Jumper       | 3198 036 90010 |
| 9666 | Jumper       | 3198 036 90010 |
| 9668 | Jumper       | 3198 036 90010 |
| 9669 | Jumper       | 3198 036 90010 |
| 9670 | Jumper       | 3198 036 90010 |
| 9672 | Jumper       | 3198 036 90010 |
| 9673 | Jumper       | 3198 036 90010 |
| 9674 | Jumper       | 3198 036 90010 |
| 9675 | Jumper       | 3198 036 90010 |
| 9676 | Jumper       | 3198 036 90010 |
| 9678 | Jumper       | 3198 036 90010 |
| 9679 | Jumper       | 3198 036 90010 |
| 9680 | Jumper       | 3198 036 90010 |
| 9682 | Jumper       | 3198 036 90010 |
| 9683 | Jumper       | 3198 036 90010 |
| 9684 | Jumper       | 3198 036 90010 |
| 9685 | Jumper       | 3198 036 90010 |
| 9686 | Jumper       | 3198 036 90010 |
| 9687 | Jumper       | 3198 036 90010 |
| 9688 | Jumper       | 3198 036 90010 |
| 9689 | Jumper       | 3198 036 90010 |
| 9690 | Jumper       | 3198 036 90010 |
| 9691 | Jumper       | 3198 036 90010 |
| 9694 | Jumper       | 3198 036 90010 |
| 9695 | Jumper       | 3198 036 90010 |
| 9697 | Jumper       | 3198 036 90010 |
| 9698 | Jumper       | 3198 036 90010 |
| 9699 | Jumper       | 3198 036 90010 |
| 9811 | Jumper       | 3198 036 90010 |
| 9812 | Jumper       | 3198 036 90010 |
| 9813 | Jumper       | 3198 036 90010 |
| 9815 | Jumper       | 3198 036 90010 |
| 9816 | Jumper       | 3198 036 90010 |
| 9817 | Jumper       | 3198 036 90010 |
| 9818 | Jumper       | 3198 036 90010 |
| 9819 | Jumper       | 3198 036 90010 |
| 9890 | Jumper       | 3198 036 90010 |
| 9901 | Jumper       | 3198 036 90010 |
| 9902 | Jumper       | 3198 036 90010 |
| 9911 | Jumper       | 3198 036 90010 |
| 9912 | Jumper       | 3198 036 90010 |
| 9913 | Jumper       | 3198 036 90010 |
| 9914 | Jumper       | 3198 036 90010 |
| 9915 | Jumper       | 3198 036 90010 |
| 9916 | Jumper       | 3198 036 90010 |
| 9917 | Jumper       | 3198 036 90010 |
| 9921 | Jumper       | 3198 036 90010 |
| 9991 | Jumper       | 3198 036 90010 |
| 9993 | Jumper       | 3198 036 90010 |
| 9994 | Jumper       | 3198 036 90010 |
| 9996 | Jumper       | 3198 036 90010 |
| 9997 | Jumper       | 3198 036 90010 |
| 9998 | Jumper       | 3198 036 90010 |
| CBA  | Main Chassis | 3139 137 21021 |

|        |   |                |
|--------|---|----------------|
| S AC18 | ITC = Integrated Tube Component, CRT & Yoke Pre-Set | 0000 000 00ITC |
| AC21   | Battery, Zinc, 1.5V, 2-Pk.                          | 9299 000 65263 |
| AC24   | Spring, Braid Tension.                              | 3139 121 26231 |
| AC32   | Assembly Braid, 19"                                 | 3135 010 07321 |
| AC38   | Speaker Clip  | 3139 124 32931 |
| REMOTE | Remote Transmitter                                  | 3139 228 86462 |

### Model 19PS30C/122 Cabinet Parts

|                                 |                                  |                |
|---------------------------------|----------------------------------|----------------|
| Model 19PS30C/122 Cabinet Parts |                                  |                |
| S AC01                          | AC Power Cord                    | 3135 010 04771 |
| AC03                            | Cabinet, Back                    | 3139 124 36351 |
| AC04                            | Cabinet, Front                   | 3139 137 82031 |
| AC05                            | Chassis Guide                    | 3139 124 37561 |
| AC06                            | Control Knobs                    | 3139 124 36341 |
| S AC08                          | CRT, A48JLL40X46(M)              | 9322 131 82682 |
| S AC09                          | Degaussing Coil, 19"             | 2422 549 44428 |
| AC10                            | Degaussing Coil Holder           | 3135 013 01641 |
| AC11                            | Light Guide                      | 3139 124 36271 |
| AC12                            | Nameplate                        | 3139 120 01281 |
| AC13                            | Owner's Manual                   | 3121 235 20051 |
| AC14                            | Mains Knob                       | 3139 124 34271 |
| AC16                            | Speaker, 16 ohm, 8W, YD77-16SX11 | 2422 264 00407 |

S = Safety Part Be sure to use exact replacement part.

# 19PS30C125 - Manual no. 7602

## Main Chassis

|              |   |                |      |  |      |     |       |
|--------------|---|----------------|------|--|------|-----|-------|
| Main Chassis |   |                | 2477 | 470pF., 50V, Ceramic . . . . .                 | 3198 | 016 | 04710 |
| Main Chassis |   |                | 2500 | 0.47uF., 20%, 275V, Metalized Polypropyl       |      |     |       |
| 0127         | 2 Pin Fuse Socket. . . . .                        | 3122 358 71251 |      | ene. . . . .                                   | 2022 | 330 | 00018 |
| 0138         | IC-SPRING FOR ITEM 7471 (IC TDA9302H). . . . .    | 3104 301 22081 | 2501 | 2200pF., 1kV, Ceramic. . . . .                 | 3198 | 019 | 52220 |
| 0139         | IC-SPRING 7402 . . . . .                          | 3139 121 24581 | 2502 | 2200pF., 1kV, Ceramic. . . . .                 | 3198 | 019 | 52220 |
| 0211         | 2 Pin Connector (AC Input Plug). . . . .          | 2422 025 16269 | 2503 | 220uF., 20%, 200V, Electrolytic . . . . .      | 2020 | 024 | 90557 |
| 0212         | 2 Pin Connector (Degaussing Plug (RED)) . . . . . | 2422 025 16375 | 2504 | 2200pF., 1kV, Ceramic. . . . .                 | 3198 | 019 | 52220 |
| 0217         | 3 Pin Connector. . . . .                          | 2412 020 00725 | 2506 | 2200pF., 1kV, Ceramic. . . . .                 | 3198 | 019 | 52220 |
| 0220         | 3 Pin Connector. . . . .                          | 2422 025 04851 | 2508 | 470pF., 1kV, 10%, Ceramic. . . . .             | 3198 | 019 | 64710 |
| 0221         | 6 Pin Connector. . . . .                          | 2422 025 15503 | 2515 | 1500pF., 250V, 20%, Ceramic. . . . .           | 2020 | 554 | 90172 |
| 0222         | 2 Pin Connector. . . . .                          | 2422 025 10646 | 2520 | 0.1uF., 16V, Ceramic . . . . .                 | 3198 | 017 | 01040 |
| 0243         | 6 Pin Connector. . . . .                          | 2422 025 04854 | 2521 | 22uF., 20%, 50V, Electrolytic. . . . .         | 3198 | 025 | 52290 |
| 0244         | 3 Pin Connector. . . . .                          | 2422 025 04851 | 2522 | 0.1uF., 16V, Ceramic . . . . .                 | 3198 | 017 | 01040 |
| 0245         | 6 Pin Connector. . . . .                          | 2422 025 04854 | 2523 | 1500pF., 2kV, 10%, Ceramic . . . . .           | 2020 | 558 | 90489 |
| 0246         | 5 Pin Connector. . . . .                          | 2422 025 12481 | 2525 | 470pF., 50V, Ceramic. . . . .                  | 3198 | 017 | 01040 |
| 0254         | 9 Pin CRT Socket (N-NECK). . . . .                | 2422 500 80067 | 2526 | 0.001uF., 50V, Ceramic . . . . .               | 3198 | 017 | 01020 |
| 1000         | Tuner V+U PLL F ENV56D98G3 . . . . .              | 2422 542 90108 | 2527 | 470pF., 50V, Ceramic. . . . .                  | 3198 | 017 | 04710 |
| 1002         | 45.75 MHz Saw Filter F072TPI-A . . . . .          | 2422 549 44327 | 2540 | 0.015uF., 50V, Ceramic . . . . .               | 3198 | 017 | 01530 |
| 1200         | 4.5MHz Ceramic Filter, TPS*MB. . . . .            | 2422 549 40807 | 2560 | 1000pF., 1kV, 10%, Ceramic . . . . .           | 3198 | 019 | 61020 |
| 1500         | 5 Amp, 250V, Fuse (5X20) . . . . .                | 2422 086 10905 | 2561 | 47uF., 20%, 160V, Electrolytic . . . . .       | 2020 | 021 | 91358 |
| 1515         | 5 Amp, 12V, 1 Pin Relay, G5PA-1. . . . .          | 2422 132 07444 | 2562 | 1000pF., 50V, Ceramic . . . . .                | 3198 | 019 | 11020 |
| 1600         | Tact Switch. . . . .                              | 2422 128 02742 | 2563 | 0.1uF., 10%, 50V, Metalized Polyester. . . . . | 3198 | 014 | 01040 |
| 1601         | Tact Switch. . . . .                              | 2422 128 02742 | 2564 | 2200uF., 20%, 16V, Electrolytic. . . . .       | 2020 | 012 | 93057 |
| 1602         | Tact Switch. . . . .                              | 2422 128 02742 | 2565 | 470pF., 1kV, 10%, Ceramic. . . . .             | 3198 | 019 | 64710 |
| 1603         | Tact Switch. . . . .                              | 2422 128 02742 | 2567 | 47uF., 20%, 25V, Electrolytic. . . . .         | 3198 | 025 | 34790 |
| 1606         | Tact Switch. . . . .                              | 2422 128 02742 | 2568 | 1uF., 20%, 50V, Electrolytic . . . . .         | 3198 | 025 | 51080 |
| 1660         | 12MHz, Crystal Resonator, HC49/U A . . . . .      | 2422 543 01203 | 2569 | 470pF., 50V, Ceramic. . . . .                  | 3198 | 017 | 04710 |
| 1861         | 514.5KHz Ceramic Resonator CSB503F58 . . . . .    | 2422 540 98344 | 2580 | 47uF., 20%, 25V, Electrolytic. . . . .         | 3198 | 025 | 34790 |
| 2004         | 0.047uF., 25V, Ceramic . . . . .                  | 3198 023 04730 | 2601 | 0.22uF., 25V, Ceramic. . . . .                 | 3198 | 023 | 22240 |
| 2005         | 10uF., 20%, 50V, Electrolytic. . . . .            | 3198 025 51090 | 2602 | 100pF., 50V, Ceramic . . . . .                 | 3198 | 016 | 01010 |
| 2006         | 470uF., 20%, 16V, Electrolytic . . . . .          | 3198 025 24710 | 2606 | 1000pF., 50V, Ceramic. . . . .                 | 3198 | 016 | 01020 |
| 2007         | 0.1uF., 25V, Ceramic. . . . .                     | 3198 023 21040 | 2607 | 33pF., 50V, Ceramic. . . . .                   | 3198 | 016 | 03390 |
| 2008         | 100uF., 20%, 25V, Electrolytic . . . . .          | 3198 025 31010 | 2608 | 0.1uF., 25V, Ceramic. . . . .                  | 3198 | 023 | 21040 |
| 2009         | 0.022uF., 50V, Ceramic . . . . .                  | 3198 017 02230 | 2609 | 33pF., 50V, Ceramic. . . . .                   | 3198 | 016 | 03390 |
| 2203         | 0.1uF., 25V, Ceramic. . . . .                     | 3198 023 21040 | 2611 | 0.1uF., 25V, Ceramic. . . . .                  | 3198 | 023 | 21040 |
| 2204         | 0.1uF., 25V, Ceramic. . . . .                     | 3198 023 21040 | 2612 | 22pF., 50V, Ceramic. . . . .                   | 3198 | 016 | 02290 |
| 2205         | 0.22uF., 25V, Ceramic. . . . .                    | 3198 023 22240 | 2613 | 22pF., 50V, Ceramic. . . . .                   | 3198 | 016 | 02290 |
| 2208         | 0.1uF., 25V, Ceramic. . . . .                     | 3198 023 21040 | 2615 | 1000pF., 50V, Ceramic. . . . .                 | 3198 | 016 | 01020 |
| 2209         | 4.7uF., 20%, 50V, Electrolytic . . . . .          | 3198 025 54780 | 2618 | 0.01uF., 50V, Ceramic. . . . .                 | 3198 | 017 | 01030 |
| 2210         | 0.47uF., 20%, 50V, Electrolytic. . . . .          | 3198 025 54770 | 2619 | 1uF., 16V, Ceramic. . . . .                    | 3198 | 017 | 21050 |
| 2211         | 0.47uF., 16V, Ceramic . . . . .                   | 3198 017 24740 | 2691 | 100uF., 20%, 25V, Electrolytic . . . . .       | 3198 | 025 | 31010 |
| 2216         | 100uF., 20%, 25V, Electrolytic . . . . .          | 3198 025 31010 | 2861 | 0.22uF., 25V, Ceramic. . . . .                 | 3198 | 023 | 22240 |
| 2217         | 0.022uF., 50V, Ceramic . . . . .                  | 3198 017 02230 | 2862 | 2.2uF., 10V, Ceramic . . . . .                 | 3198 | 017 | 22250 |
| 2219         | 0.22uF., 25V, Ceramic. . . . .                    | 3198 023 22240 | 2864 | 2.2uF., 20%, 50V, Electrolytic . . . . .       | 3198 | 025 | 52280 |
| 2226         | 100pF., 50V, Ceramic . . . . .                    | 3198 016 01010 | 2865 | 2.2uF., 20%, 50V, Electrolytic . . . . .       | 3198 | 025 | 52280 |
| 2227         | 4700pF., 50V, Ceramic. . . . .                    | 3198 017 04720 | 2866 | 2.2uF., 10V, Ceramic . . . . .                 | 3198 | 017 | 22250 |
| 2228         | 820pF., 50V, Ceramic . . . . .                    | 3198 016 08210 | 2867 | 3300pF., 50V, Ceramic. . . . .                 | 3198 | 017 | 03320 |
| 2229         | 10uF., 20%, 50V, Electrolytic. . . . .            | 3198 025 51090 | 2868 | 150pF., 50V, Ceramic . . . . .                 | 3198 | 016 | 01510 |
| 2233         | 820pF., 50V, Ceramic . . . . .                    | 3198 016 08210 | 2869 | 0.0047uF., 10%, 50V, Metalized Polyeste        | 3198 | 014 | 04730 |
| 2241         | 4700pF., 50V, Ceramic. . . . .                    | 3198 017 04720 | 2870 | 0.047uF., 10%, 50V, Metalized Polyester        | 3198 | 014 | 04730 |
| 2242         | 1uF., 16V, Ceramic. . . . .                       | 3198 017 21050 | 2871 | 150pF., 50V, Ceramic . . . . .                 | 3198 | 019 | 11510 |
| 2243         | 2200pF., 50V, Ceramic. . . . .                    | 3198 017 02220 | 2872 | 0.0033uF., 10%, 50V, Metalized Polyeste        | 3198 | 014 | 03320 |
| 2244         | 0.1uF., 10%, 63V, Metalized Polyester. . . . .    | 2222 370 75104 | 2873 | 2.2uF., 10V, Ceramic . . . . .                 | 3198 | 017 | 22250 |
| 2245         | 0.22uF., 25V, Ceramic. . . . .                    | 3198 023 22240 | 2874 | 100uF., 20%, 25V, Electrolytic . . . . .       | 3198 | 025 | 31010 |
| 2247         | 100uF., 20%, 25V, Electrolytic . . . . .          | 3198 025 31010 | 2875 | 100uF., 20%, 25V, Electrolytic . . . . .       | 3198 | 025 | 31010 |
| 2248         | 0.022uF., 50V, Ceramic . . . . .                  | 3198 017 02230 | 2876 | 4.7uF., 20%, 50V, Electrolytic . . . . .       | 3198 | 025 | 54780 |
| 2249         | 0.022uF., 50V, Ceramic . . . . .                  | 3198 017 02230 | 2877 | 10uF., 20%, 50V, Electrolytic. . . . .         | 3198 | 025 | 51090 |
| 2250         | 2.2uF., 20%, 50V, Electrolytic . . . . .          | 3198 025 52280 | 2878 | 1uF., 20%, 50V, Electrolytic . . . . .         | 3198 | 025 | 51080 |
| 2252         | 1000pF., 50V, Ceramic. . . . .                    | 3198 016 01020 | 2879 | 4700pF., 50V, Ceramic. . . . .                 | 3198 | 017 | 04720 |
| 2253         | 1000pF., 50V, Ceramic. . . . .                    | 3198 016 01020 | 2880 | 0.022uF., 50V, Ceramic . . . . .               | 3198 | 017 | 02230 |
| 2254         | 100pF., 50V, Ceramic . . . . .                    | 3198 016 01010 | 2883 | 470uF., 20%, 16V, Electrolytic . . . . .       | 3198 | 025 | 24710 |
| 2313         | 220pF., 50V, Ceramic . . . . .                    | 3198 016 02210 | 2884 | 2.2uF., 20%, 50V, Electrolytic . . . . .       | 3198 | 025 | 52280 |
| 2323         | 390pF., 50V, Ceramic . . . . .                    | 3198 016 03910 | 2885 | 0.22uF., 10%, 50V, Metalized Polyester         | 3198 | 014 | 02240 |
| 2331         | 390pF., 50V, Ceramic . . . . .                    | 3198 016 03910 | 2886 | 0.22uF., 25V, Ceramic. . . . .                 | 3198 | 023 | 22240 |
| 2341         | 2200pF., 1kV, 10%, Ceramic . . . . .              | 2020 558 90571 | 2902 | 220uF., 20%, 50V, Electrolytic . . . . .       | 3198 | 026 | 52210 |
| 2342         | 0.047uF., 10%, 250V Metalized Polyester           | 2222 365 45473 | 2903 | 1uF., 20%, 50V, Electrolytic . . . . .         | 3198 | 025 | 51080 |
| 2343         | 0.047uF., 10%, 250V Metalized Polyester           | 2222 365 45473 | 2904 | 0.47uF., 16V, Ceramic . . . . .                | 3198 | 017 | 24740 |
| 2401         | 680pF., 50V, Ceramic. . . . .                     | 3198 019 16810 | 2905 | 1000pF., 50V, Ceramic. . . . .                 | 3198 | 016 | 01020 |
| 2402         | 0.68uF., 5%, 250V, Metalized Polypropyl           |                | 2906 | 0.47uF., 16V, Ceramic . . . . .                | 3198 | 017 | 24740 |
|              | ene. . . . .                                      | 2222 479 90027 | 2907 | 1000pF., 50V, Ceramic. . . . .                 | 3198 | 016 | 01020 |
| 2406         | 330pF., 50V, Ceramic . . . . .                    | 3198 016 03310 | 2908 | 10uF., 20%, 50V, Electrolytic. . . . .         | 3198 | 025 | 51090 |
| 2407         | 0.011uF., 5%, 1.6kV, Metalized Polyprop           |                | 3000 | 100 ohm, 5%, 1/6W Carbon . . . . .             | 3198 | 011 | 01010 |
|              | ylene. . . . .                                    | 2222 375 90155 | 3001 | 100 ohm, 5%, 1/6W Carbon . . . . .             | 3198 | 011 | 01010 |
| 2408         | 0.022uF., 50V, Ceramic . . . . .                  | 3198 019 22230 | 3002 | Zero ohm "Chip" Jumper . . . . .               | 3198 | 021 | 90020 |
| 2409         | 47uF., 20%, 160V, Electrolytic . . . . .          | 2020 021 91139 | 3003 | 1.5k, 5% . . . . .                             | 3198 | 021 | 51520 |
| 2410         | 470uF., 20%, 16V, Electrolytic . . . . .          | 2020 021 91577 | 3004 | 8.2k, 5% . . . . .                             | 3198 | 021 | 58220 |
| 2411         | 47uF., 20%, 25V, Electrolytic. . . . .            | 2020 021 90586 | 3005 | 100 ohm, 5%, 1/6W Carbon . . . . .             | 3198 | 011 | 01010 |
| 2412         | 0.033uF., 10%, 100V, Metalized Polyester          | 2222 347 90236 | 3200 | 390 ohm, 5%, 1/6W Carbon . . . . .             | 3198 | 011 | 03910 |
| 2413         | 10uF., 20%, 250V, Electrolytic . . . . .          | 2020 012 93495 | 3201 | 100 ohm, 5%, 1/6W Carbon . . . . .             | 3198 | 011 | 01010 |
| 2414         | 1000uF., 20%, 16V, Electrolytic. . . . .          | 2020 021 91049 | 3202 | 100 ohm, 5%, 1/6W Carbon . . . . .             | 3198 | 011 | 01010 |
| 2417         | 1000uF., 20%, 16V, Electrolytic. . . . .          | 2020 021 91049 | 3203 | 100 ohm, 5%, 1/6W Carbon . . . . .             | 3198 | 011 | 01010 |
| 2418         | 0.01uF., 50V, Ceramic . . . . .                   | 3198 017 01030 | 3204 | 10k, 5%, 1/6W Carbon . . . . .                 | 3198 | 011 | 01030 |
| 2419         | 1uF., 20%, 50V, Electrolytic . . . . .            | 2020 021 91147 | 3206 | 100k, 5% . . . . .                             | 3198 | 021 | 51040 |
| 2420         | 1uF., 20%, 50V, Electrolytic . . . . .            | 3198 025 51080 | 3207 | 1k, 5%, 1/6W Carbon. . . . .                   | 3198 | 011 | 01020 |
| 2421         | 0.047uF., 50V, Ceramic . . . . .                  | 3198 017 24730 | 3208 | 220 ohm, 5%. . . . .                           | 3198 | 021 | 52210 |
| 2422         | 470uF., 20%, 16V, Electrolytic . . . . .          | 2020 021 91577 | 3209 | 68 ohm, 5% . . . . .                           | 3198 | 021 | 56890 |
| 2423         | 10uF., 20%, 100V, Electrolytic . . . . .          | 2020 021 90813 | 3212 | 470 ohm, 5%. . . . .                           | 3198 | 021 | 54710 |
| 2471         | 0.1uF., 10%, 50V, Metalized Polyester. . . . .    | 3198 014 01040 | 3213 | 560 ohm, 5%, 1/6W Carbon . . . . .             | 3198 | 011 | 05610 |
| 2472         | 0.1uF., 10%, 50V, Metalized Polyester. . . . .    | 3198 014 01040 | 3217 | 330k, 5% . . . . .                             | 3198 | 021 | 53340 |
| 2473         | 100uF., 20%, 50V, Electrolytic . . . . .          | 2020 021 90587 | 3218 | 82k, 5%. . . . .                               | 3198 | 021 | 58230 |
| 2475         | 470pF., 50V, Ceramic . . . . .                    | 3198 016 04710 | 3219 | 2.2k, 5% . . . . .                             | 3198 | 021 | 52220 |
| 2476         | 0.22uF., 10%, 50V, Metalized Polyester            | 3198 014 02240 | 3226 | 560 ohm, 5%. . . . .                           | 3198 | 021 | 55610 |

# 19PS30C125 (continued)

|      |  |                |      |                                      |                |
|------|--|----------------|------|--------------------------------------|----------------|
| 3232 | 2.2k, 5%   | 3198 021 52220 | 3526 | 0.15 ohm, 5%, 1W, Power Resistor     | 3198 012 11570 |
| 3235 | 100 ohm, 5%, 1/6W Carbon                             | 3198 011 01010 | 3527 | 2.2k ohm, 5%, Fusible Resistor NFR25 | 2306 204 03222 |
| 3241 | 22k, 5%  | 3198 021 52230 | 3528 | 10k, 5%                              | 3198 021 51030 |
| 3242 | 27k, 5%  | 3198 021 52730 | 3529 | 47k, 5%                              | 3198 021 54730 |
| 3244 | 820 ohm, 5%, 1/6W Carbon                             | 3198 011 08210 | 3530 | 4.7k, 5%                             | 3198 021 54720 |
| 3245 | 39k, 5%  | 3198 021 53930 | 3531 | Zero ohm "Chip" Jumper               | 3198 021 90020 |
| 3246 | 10k, 5%  | 3198 021 51030 | 3541 | 470 ohm, 5%                          | 3198 021 54710 |
| 3247 | 220k, 5%   | 3198 021 52240 | 3542 | 1.5k, 5%                             | 3198 021 51520 |
| 3248 | 27k, 5%  | 3198 021 52730 | 3543 | 82k, 1%, Metal Film                  | 2322 156 28203 |
| 3249 | 820 ohm, 5%, 1/6W Carbon                             | 3198 011 08210 | 3544 | 6.8k, 1%, Metal Film                 | 2322 156 26802 |
| 3251 | 100 ohm, 5%, 1/6W Carbon                             | 3198 011 01010 | 3545 | 82k, 5%                              | 3198 021 58230 |
| 3254 | 1M, 5%   | 3198 021 51050 | 3546 | Zero ohm "Chip" Jumper               | 3198 021 90020 |
| 3256 | 1k, 5%   | 3198 021 51020 | 3547 | 0.33 ohm, 5%, 1W, Power Resistor     | 3198 012 13370 |
| 3257 | 10Meg, 5%  | 3198 021 51060 | 3548 | 8.2k, 5%                             | 3198 021 58220 |
| 3258 | 330k, 5%   | 3198 021 53340 | 3549 | 470 ohm, 5%, 1/6W Carbon             | 3198 011 04710 |
| 3259 | 470k, 5%   | 3198 021 54740 | 3552 | 10k, 5%                              | 3198 021 51030 |
| 3311 | 3.9k, 5%   | 3198 021 53920 | 3559 | 1k, 5%                               | 3198 021 51020 |
| 3312 | 330 ohm, 5%  | 3198 021 53310 | 3561 | 220 ohm, 5%, 1/6W Carbon             | 3198 011 02210 |
| 3313 | 10 ohm, 5%   | 3198 021 51090 | 3562 | 10k, 5%                              | 3198 021 51030 |
| 3314 | 18k, 5%, Metal Film                                  | 2322 195 63183 | 3563 | 4.7k, 5%                             | 3198 021 54720 |
| 3316 | 68 ohm, 5%, Fusible Resistor NFR25                   | 2306 204 03689 | 3564 | 4.7 ohm, 5%, 2W, Power Resistor      | 3198 012 24780 |
| 3317 | 1.5k, 20%, 1/2W Carbon                               | 3198 013 01520 | 3565 | 330 ohm, 5%, 1W, Power Resistor      | 3198 012 13310 |
| 3321 | 3.9k, 5%   | 3198 021 53920 | 3566 | 2.2k, 5%                             | 3198 021 52220 |
| 3322 | 330 ohm, 5%  | 3198 021 53310 | 3569 | 5.6k, 5%                             | 3198 021 55620 |
| 3323 | 10 ohm, 5%   | 3198 021 51090 | 3580 | 47k, 5%                              | 3198 021 54730 |
| 3324 | 18k, 5%, Metal Film                                  | 2322 195 63183 | 3603 | 100 ohm, 5%, 1/6W Carbon             | 3198 011 01010 |
| 3326 | 68 ohm, 5%, Fusible Resistor NFR25                   | 2306 204 03689 | 3604 | 100 ohm, 5%, 1/6W Carbon             | 3198 011 01010 |
| 3327 | 1.5k, 20%, 1/2W Carbon                               | 3198 013 01520 | 3605 | 4.7k, 5%                             | 3198 021 54720 |
| 3331 | 3.9k, 5%   | 3198 021 53920 | 3606 | 2.2k, 5%, 1/6W Carbon                | 3198 011 02220 |
| 3332 | 330 ohm, 5%  | 3198 021 53310 | 3607 | 2.2k, 5%, 1/6W Carbon                | 3198 011 02220 |
| 3333 | 10 ohm, 5%   | 3198 021 51090 | 3608 | 100 ohm, 5%, 1/6W Carbon             | 3198 011 01010 |
| 3334 | 18k, 5%, Metal Film                                  | 2322 195 63183 | 3611 | 100 ohm, 5%                          | 3198 021 51010 |
| 3336 | 68 ohm, 5%, Fusible Resistor NFR25                   | 2306 204 03689 | 3618 | 2.2k, 5%, 1/6W Carbon                | 3198 011 02220 |
| 3337 | 1.5k, 20%, 1/2W Carbon                               | 3198 013 01520 | 3622 | 100 ohm, 5%                          | 3198 021 51010 |
| 3341 | 1.5k, 20%, 1/2W Carbon                               | 3198 013 01520 | 3623 | 4.7k, 5%                             | 3198 021 54720 |
| 3347 | 220 ohm, 5% Fusible Resistor NFR25                   | 2306 204 03221 | 3624 | 100 ohm, 5%, 1/6W Carbon             | 3198 011 01010 |
| 3348 | 1.5k, 20%, 1/2W Carbon                               | 3198 013 01520 | 3625 | 100 ohm, 5%, 1/6W Carbon             | 3198 011 01010 |
| 3349 | 1 ohm, 5%, Fusible Resistor NFR25                    | 2306 204 03108 | 3626 | 4.7k, 5%                             | 3198 021 54720 |
| 3350 | 1 ohm, 5%, Fusible Resistor NFR25                    | 2306 204 03108 | 3627 | 4.7k, 5%                             | 3198 021 54720 |
| 3401 | 330k, 5%   | 2322 242 13334 | 3628 | 10k, 5%                              | 3198 021 51030 |
| 3402 | 18k, 5%, 1/6W Carbon                                 | 3198 011 01830 | 3630 | 2.2k, 5%                             | 3198 021 52220 |
| 3403 | 22 ohm, 5%, 3W, Power Resistor                       | 3198 012 32290 | 3632 | Zero ohm "Chip" Jumper               | 3198 021 90020 |
| 3404 | 6.8 ohm, 5%, Fusible Resistor NFR25                  | 2306 204 03688 | 3636 | 100 ohm, 5%                          | 3198 021 51010 |
| 3406 | 10k, 5%, 1/6W Carbon                                 | 3198 011 01030 | 3681 | 390 ohm, 5%                          | 3198 021 53910 |
| 3407 | 220 ohm, 5%, 3W, Power Resistor                      | 3198 012 32210 | 3682 | 3.3k, 5%                             | 3198 021 53320 |
| 3408 | 1k, 5%, 1/6W Carbon                                  | 3198 011 01020 | 3683 | 390 ohm, 5%                          | 3198 021 53910 |
| 3410 | 33k, 5%  | 3198 021 53330 | 3684 | 560 ohm, 5%                          | 3198 021 55610 |
| 3411 | 10 ohm, 5% Fusible Resistor NFR25                    | 2306 204 03109 | 3685 | 560 ohm, 5%                          | 3198 021 55610 |
| 3412 | 3.3k, 1%, Metal Film                                 | 2322 156 23302 | 3686 | 1.5k, 5%                             | 3198 021 51520 |
| 3413 | 10k, 5%  | 3198 021 51030 | 3691 | 330 ohm, 5%                          | 3198 021 53310 |
| 3414 | 1.5k, 1%, Metal Film                                 | 2322 156 21502 | 3693 | 220 ohm, 5%                          | 3198 021 52210 |
| 3415 | 1k, 5%, 1/6W Carbon                                  | 3198 011 01020 | 3694 | 4.7k, 5%                             | 3198 021 54720 |
| 3416 | 68 ohm, 5%, Fusible Resistor NFR25                   | 2306 204 03689 | 3861 | 100k, 5%                             | 3198 021 51040 |
| 3417 | 33k, 5%, 1/6W Carbon                                 | 3198 011 03330 | 3862 | 15k, 5%                              | 3198 021 51530 |
| 3418 | 33k, 5%  | 3198 021 53330 | 3863 | 1.2k, 5%                             | 3198 021 51220 |
| 3419 | 6.8k, 5%   | 3198 021 56820 | 3864 | 100 ohm, 5%                          | 3198 021 51010 |
| 3420 | 33k, 5%  | 3198 021 53330 | 3865 | 100 ohm, 5%, 1/6W Carbon             | 3198 011 01010 |
| 3421 | 6.8 ohm, 5%, 2W, Power Resistor                      | 3198 012 26880 | 3866 | 100 ohm, 5%, 1/6W Carbon             | 3198 011 01010 |
| 3422 | 100 ohm, 5%  | 3198 021 51010 | 3867 | 3.3k, 5%                             | 3198 021 53320 |
| 3423 | 820 ohm, 5%  | 3198 021 58210 | 3901 | 1k, 5%                               | 3198 021 51020 |
| 3424 | 100 ohm, 5%, 1/6W Carbon                             | 3198 011 01010 | 3902 | 3.3k, 5%                             | 3198 021 53320 |
| 3425 | 12k, 5%, 1/6W Carbon                                 | 3198 011 01230 | 3903 | 15k, 5%                              | 3198 021 51530 |
| 3426 | 1M, 5%   | 3198 021 51050 | 3904 | 10k, 5%                              | 3198 021 51030 |
| 3427 | 12k, 5%, 1/6W Carbon                                 | 3198 011 01230 | 3905 | 15k, 5%                              | 3198 021 51530 |
| 3428 | 39 ohm, 5% Fusible Resistor NFR25H                   | 2306 207 03399 | 3906 | 10k, 5%                              | 3198 021 51030 |
| 3431 | 2.2k, 5%   | 3198 021 52220 | 3907 | 8.2k, 5%                             | 3198 021 58220 |
| 3432 | 22 ohm, 5%, 1/6W Carbon                              | 3198 011 02290 | 4001 | Zero ohm "Chip" Jumper               | 3198 021 90020 |
| 3471 | 3.9 ohm, 1%, Metal Film                              | 2322 156 23908 | 4002 | Zero ohm "Chip" Jumper               | 3198 021 90020 |
| 3472 | 3.9 ohm, 1%, Metal Film                              | 2322 156 23908 | 4181 | Zero ohm "Chip" Jumper               | 3198 021 90020 |
| 3473 | 2.2k, 1%, Metal Film                                 | 2322 156 22202 | 4214 | Zero ohm "Chip" Jumper               | 3198 021 90020 |
| 3474 | 1k, 5%, 1/6W Carbon                                  | 3198 011 01020 | 4216 | Zero ohm "Chip" Jumper               | 3198 021 90020 |
| 3475 | 2.2k, 1%, Metal Film                                 | 2322 156 22202 | 4217 | Zero ohm "Chip" Jumper               | 3198 021 90020 |
| 3476 | 1.5 ohm, 5%, Fusible Resistor NFR25                  | 2306 204 03158 | 4410 | Zero ohm "Chip" Jumper               | 3198 021 90020 |
| 3477 | 220 ohm, 5%, 1/6W Carbon                             | 3198 011 02210 | 4501 | Zero ohm "Chip" Jumper               | 3198 021 90020 |
| 3478 | 220 ohm, 5%, 1/6W Carbon                             | 3198 011 02210 | 4601 | Zero ohm "Chip" Jumper               | 3198 021 90020 |
| 3479 | 1k, 5%, 1/6W Carbon                                  | 3198 011 01020 | 4613 | Zero ohm "Chip" Jumper               | 3198 021 90020 |
| 3500 | 3.3Meg, 5%   | 2322 242 13335 | 4614 | Zero ohm "Chip" Jumper               | 3198 021 90020 |
| 3501 | 3.3Meg, 5%   | 2322 242 13335 | 4615 | Zero ohm "Chip" Jumper               | 3198 021 90020 |
| 3502 | 4.7 ohm, 20%, 3.1W, Negative Temperature Coefficient | 2122 612 00055 | 4616 | Zero ohm "Chip" Jumper               | 3198 021 90020 |
| 3503 | 10 ohm, 30%, 120V, Positive Temperature Coefficient  | 2120 661 00026 | 4617 | Zero ohm "Chip" Jumper               | 3198 021 90020 |
| 3506 | Jumper Wire  | 0322 179 00003 | 4618 | Zero ohm "Chip" Jumper               | 3198 021 90020 |
| 3507 | Surge Protector DSP-301N-A21F                        | 2422 549 43073 | 4619 | Zero ohm "Chip" Jumper               | 3198 021 90020 |
| 3508 | 1.5Meg, 5%   | 2322 242 13155 | 4622 | Zero ohm "Chip" Jumper               | 3198 021 90020 |
| 3519 | 270 ohm, 5%, 1/6W Carbon                             | 3198 011 02710 | 4623 | Zero ohm "Chip" Jumper               | 3198 021 90020 |
| 3520 | 1.2k, 5%   | 3198 021 51220 | 4691 | Zero ohm "Chip" Jumper               | 3198 021 90020 |
| 3521 | 4.7 ohm, 5%, 1/6W Carbon                             | 3198 011 04780 | 4692 | Zero ohm "Chip" Jumper               | 3198 021 90020 |
| 3522 | 330k, 5%   | 3198 021 53340 | 4693 | Zero ohm "Chip" Jumper               | 3198 021 90020 |
| 3523 | 100 ohm, 5%, Fusible Resistor NFR25                  | 2306 204 03101 | 4901 | Zero ohm "Chip" Jumper               | 3198 021 90020 |
| 3524 | 56k, 5%  | 3198 021 55630 | 4903 | Zero ohm "Chip" Jumper               | 3198 021 90020 |
| 3525 | 1k, 5%   | 3198 021 51020 | 4911 | Zero ohm "Chip" Jumper               | 3198 021 90020 |
|      |  |                | 4982 | Zero ohm "Chip" Jumper               | 3198 021 90020 |
|      |  |                | 5001 | Fixed Inductor, 5.6uH, 10%           | 3198 018 25680 |

S = Safety Part Be sure to use exact replacement part.

## 19PS30C125 (continued)

|      |  |                |  |   |                |
|------|--|----------------|--|---|----------------|
| 5002 | Fixed Inductor, 0.82uH, 10% . . . . .            | 3198 018 18270 | 7408                                   | Power Transistor BD135-17. . . . .                            | 3198 020 41190 |
| 5201 | Fixed Inductor, 6.8uH, 5% . . . . .              | 3198 018 16880 | 7409                                   | Transistor BC857B . . . . .                                   | 3198 010 42150 |
| 5202 | Fixed Inductor, 10uH, 10% . . . . .              | 3198 018 21090 | 7471                                   | IC, TDA9302H . . . . .  | 9322 088 25682 |
| 5241 | Fixed Inductor, 10uH, 10% . . . . .              | 3198 018 21090 | 7515                                   | Opto-Coupler, TCET1103(G). . . . .                            | 9322 140 14667 |
| 5242 | Fixed Inductor, 10uH, 5% . . . . .               | 3198 018 11090 | 7520                                   | IC, TEA1507P/N1. . . . .                                      | 9352 673 56112 |
| 5341 | Fixed Inductor, 12uH, 5% SPT0508 . . . . .       | 2422 535 95598 | 7521                                   | Power FET, STP5NC50FP. . . . .                                | 9322 160 71687 |
| 5342 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 7522                                   | Transistor BC847B . . . . .                                   | 3198 010 42030 |
| 5403 | Fixed Inductor, 33uH, 10% LHL08 . . . . .        | 2422 535 94643 | 7540                                   | Transistor BC547B. . . . .                                    | 3198 020 40030 |
| 5408 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7541                                   | Transistor PDTCL14ET. . . . .                                 | 9340 310 10215 |
| 5410 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7542                                   | Transistor BC857B . . . . .                                   | 3198 010 42150 |
| 5444 | Signal Driver Transformer SC10009-03. . . . .    | 2422 531 02446 | 7560                                   | IC, L78L33ACZ. . . . .  | 9322 134 92676 |
| 5445 | LOT Transformer MSL0T4 . . . . .                 | 3128 138 21541 | 7561                                   | Transistor PDTCL143ZT. . . . .                                | 9340 547 00215 |
| 5502 | AC Filter. . . . .                               | 2422 549 44284 | 7580                                   | Transistor BC857B . . . . .                                   | 3198 010 42150 |
| 5520 | Transformer SS28011-04. . . . .                  | 2422 531 02458 | 7602                                   | IC M24C16-WBN6 . . . . .                                      | 9322 147 25682 |
| 5521 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 7861                                   | IC, TDA9853H/V1. . . . .                                      | 9352 671 19557 |
| 5560 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 7901                                   | IC, AN7522N. . . . .  | 9322 158 65667 |
| 5561 | Fixed Inductor, 27uH, 10% . . . . .              | 3198 018 22790 | 9696                                   | Jumper Wire. . . . .  | 0322 179 00003 |
| 5562 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9819                                   | Jumper Wire. . . . .  | 0322 179 00003 |
| 5563 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9890                                   | Jumper Wire. . . . .  | 0322 179 00003 |
| 5602 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9901                                   | Jumper Wire. . . . .  | 0322 179 00003 |
| 5603 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9902                                   | Jumper Wire. . . . .  | 0322 179 00003 |
| 5604 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9913                                   | Jumper Wire. . . . .  | 0322 179 00003 |
| 5861 | Fixed Inductor, 10uH, 5% . . . . .               | 3198 018 11090 | 9914                                   | Jumper Wire. . . . .  | 0322 179 00003 |
| 6001 | Diode Regulator, BZX79-C33 (33Volt). . . . .     | 3198 010 23390 | CBA                                    | Main Chassis . . . . .  | 3139 178 89231 |
| 6201 | Diode, BAV21 . . . . .                           | 3198 010 10630 | <b>Model 19PS30C/125 Cabinet Parts</b> |   |                |
| 6202 | Diode, BAS316 . . . . .                          | 3198 010 10630 | Model 19PS30C/125 Cabinet Parts        |   |                |
| 6206 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 | S AC01                                 | AC Power Cord. . . . .  | 3135 010 04771 |
| 6241 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 | AC03                                   | Cabinet Back . . . . .  | 3139 124 36351 |
| 6311 | Diode, BAV21 . . . . .                           | 3198 010 10070 | AC04                                   | Cabinet Front. . . . .  | 3139 137 82031 |
| 6321 | Diode, BAV21 . . . . .                           | 3198 010 10070 | AC05                                   | Chassis Guide. . . . .  | 3139 124 37561 |
| 6331 | Diode, BAV21 . . . . .                           | 3198 010 10070 | AC06                                   | Control Buttons. . . . .                                      | 3139 124 36341 |
| 6341 | Diode, BAV21 . . . . .                           | 3198 010 10070 | S AC08                                 | CRT A48KRD89X03. . . . .                                      | 9322 132 79682 |
| 6342 | Diode, 1N4148. . . . .                           | 3198 010 10010 | S AC09                                 | Degaussing Coil. . . . .                                      | 2422 549 44428 |
| 6343 | Diode Regulator, BZX384-C8V2 (8.2Volt) . . . . . | 3198 020 58280 | AC10                                   | Degaussing Coil Holder (2 used). . . . .                      | 3135 013 01641 |
| 6401 | Diode, BAV21 . . . . .                           | 3198 010 10070 | AC11                                   | Light Guide. . . . .  | 3139 124 36271 |
| 6402 | Diode Rectifier, BYV27-200 . . . . .             | 9322 126 72673 | AC13                                   | Owner's Manual . . . . .                                      | 3121 235 20051 |
| 6404 | Diode Rectifier, BYD33D. . . . .                 | 9337 410 30133 | AC14                                   | Power Button . . . . .  | 3139 124 34271 |
| 6405 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | REMOTE                                 | Remote Transmitter . . . . .                                  | 3139 228 86461 |
| 6406 | Diode, BAV70. . . . .                            | 9331 849 10215 | AC16                                   | Speaker, 8W, 16 ohm (2 used) . . . . .                        | 2422 264 00407 |
| 6407 | Diode, BAS316 . . . . .                          | 3198 010 10630 | S AC18                                 | ITC = Integrated Tube Component, CRT & Yoke Pre-Set . . . . . | 0000 000 00ITC |
| 6408 | Diode, BAS316 . . . . .                          | 3198 010 10630 | AC21                                   | Batteries f Remote Transmitter . . . . .                      | 9299 000 65263 |
| 6409 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | AC24                                   | Degaussing Coil Spring . . . . .                              | 3139 121 26231 |
| 6410 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | AC32                                   | Assembly Braid . . . . .                                      | 3135 010 07321 |
| 6413 | Diode, 1N4148. . . . .                           | 3198 010 10010 |  |   |                |
| 6414 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 |  |   |                |
| 6415 | Diode, BAS316 . . . . .                          | 3198 010 10630 |  |   |                |
| 6419 | Diode Regulator, BZX79-C5V6 (5.6Volt). . . . .   | 3198 010 25680 |  |   |                |
| 6420 | Diode Regulator, BZX79-C9V1 (9.1Volt). . . . .   | 9331 177 80133 |  |   |                |
| 6423 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |  |   |                |
| 6471 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |  |   |                |
| 6500 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |  |   |                |
| 6501 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |  |   |                |
| 6502 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |  |   |                |
| 6503 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |  |   |                |
| 6520 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |  |   |                |
| 6523 | Diode, 1N4148. . . . .                           | 3198 010 10010 |  |   |                |
| 6540 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 |  |   |                |
| 6541 | Diode Regulator, BZX79-C10 (10Volt). . . . .     | 3198 010 21090 |  |   |                |
| 6560 | Diode Rectifier, BYW76-RAS15/10. . . . .         | 9322 127 32682 |  |   |                |
| 6561 | Diode Rectifier, BYW76-RAS15/10. . . . .         | 9322 127 32682 |  |   |                |
| 6562 | Diode Rectifier, EGP20DL-5100. . . . .           | 9322 164 42682 |  |   |                |
| 6563 | Diode, BAS316 . . . . .                          | 3198 010 10630 |  |   |                |
| 6565 | Diode, BAV70. . . . .                            | 9331 849 10215 |  |   |                |
| 6566 | Diode, BAS316 . . . . .                          | 3198 010 10630 |  |   |                |
| 6569 | Diode, BAS316 . . . . .                          | 3198 010 10630 |  |   |                |
| 6570 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 |  |   |                |
| 6580 | Diode, BAS316 . . . . .                          | 3198 010 10630 |  |   |                |
| 6581 | Diode, BAS316 . . . . .                          | 3198 010 10630 |  |   |                |
| 6681 | Diode, BAT85 . . . . .                           | 9336 247 60133 |  |   |                |
| 6691 | LED, VS LTL-10224WHCR. . . . .                   | 9322 050 99682 |  |   |                |
| 6692 | IR Receiver, TSOP1836UH3V. . . . .               | 9322 127 54667 |  |   |                |
| 6901 | Diode, BAS316 . . . . .                          | 3198 010 10630 |  |   |                |
| 7200 | IC, 3US1 Software Cluster. . . . .               | 9352 699 89557 |  |   |                |
| 7201 | Transistor BC847B . . . . .                      | 3198 010 42030 |  |   |                |
| 7204 | Transistor BC857B . . . . .                      | 3198 010 42150 |  |   |                |
| 7241 | Transistor PDTA114ET. . . . .                    | 3198 010 44010 |  |   |                |
| 7311 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |   |                |
| 7312 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |   |                |
| 7313 | Transistor BF423 . . . . .                       | 3198 020 43020 |  |   |                |
| 7321 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |   |                |
| 7322 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |   |                |
| 7323 | Transistor BF423 . . . . .                       | 3198 020 43020 |  |   |                |
| 7331 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |   |                |
| 7332 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |   |                |
| 7333 | Transistor BF423 . . . . .                       | 3198 020 43020 |  |   |                |
| 7401 | Transistor PDTCL143ZT. . . . .                   | 9340 547 00215 |  |   |                |
| 7402 | Power Transistor BUT11APX-1200 . . . . .         | 9340 563 21127 |  |   |                |
| 7403 | Transistor BC337-25. . . . .                     | 3198 020 43530 |  |   |                |
| 7404 | Transistor BC636 . . . . .                       | 9332 219 50126 |  |   |                |
| 7405 | Transistor BC857B . . . . .                      | 3198 010 42150 |  |   |                |
| 7406 | Transistor BC857B . . . . .                      | 3198 010 42150 |  |   |                |
| 7407 | Power Transistor BD135-16. . . . .               | 3198 020 41190 |  |   |                |

S = Safety Part Be sure to use exact replacement part.

# 19PS40C121 - Manual no. 7602

## Main Chassis

|              |   |                |      |  |      |     |       |
|--------------|---|----------------|------|--|------|-----|-------|
| Main Chassis |   |                | 2421 | 0.047uF, 50V, Ceramic. . . . .                           | 3198 | 017 | 24730 |
| 0127         | 2 Pin Fuse Socket. . . . .                                | 3122 358 71251 | 2422 | 470uF., 20%, 16V, Electrolytic. . . . .                  | 2020 | 021 | 91577 |
| 0138         | IC-SPRING FOR ITEM 7471 (IC TDA9302H). . . . .            | 3104 301 22081 | 2423 | 10uF., 20%, 100V, Electrolytic. . . . .                  | 2020 | 021 | 90813 |
| 0139         | IC-SPRING 7402. . . . .                                   | 3139 121 24581 | 2471 | 0.1uF., 10%, 50V, Metalized Polyester. . . . .           | 3198 | 014 | 01040 |
| 0211         | 2 Pin Connector (AC Input Plug). . . . .                  | 2422 025 16269 | 2472 | 0.1uF., 10%, 50V, Metalized Polyester. . . . .           | 3198 | 014 | 01040 |
| 0212         | 2 Pin Connector (Degaussing Plug (RED)). . . . .          | 2422 025 16375 | 2473 | 100uF., 20%, 50V, Electrolytic. . . . .                  | 2020 | 021 | 90587 |
| 0217         | 3 Pin Connector. . . . .                                  | 2412 020 00725 | 2475 | 470pF., 50V, Ceramic. . . . .                            | 3198 | 016 | 04710 |
| 0218         | 3 Pin Connector. . . . .                                  | 2422 026 04742 | 2476 | 0.22uF., 10%, 50V, Metalized Polyester. . . . .          | 3198 | 014 | 02240 |
| 0220         | 3 Pin Connector. . . . .                                  | 2422 025 04851 | 2477 | 470pF., 50V, Ceramic. . . . .                            | 3198 | 016 | 04710 |
| 0221         | 6 Pin Connector. . . . .                                  | 2422 025 15503 | 2500 | 0.47uF., 20%, 275V, Metalized Polypropyl<br>ene. . . . . | 2022 | 330 | 00018 |
| 0222         | 2 Pin Connector. . . . .                                  | 2422 025 10646 | 2501 | 2200pF., 1kV, Ceramic. . . . .                           | 3198 | 019 | 52220 |
| 0232         | Headphone Jack. . . . .                                   | 2422 026 04747 | 2502 | 2200pF., 1kV, Ceramic. . . . .                           | 3198 | 019 | 52220 |
| 0243         | 6 Pin Connector. . . . .                                  | 2422 025 04854 | 2503 | 220uF., 2kV, 200V, Electrolytic. . . . .                 | 2020 | 024 | 90557 |
| 0244         | 3 Pin Connector. . . . .                                  | 2422 025 04851 | 2504 | 2200pF., 1kV, Ceramic. . . . .                           | 3198 | 019 | 52220 |
| 0245         | 6 Pin Connector. . . . .                                  | 2422 025 04854 | 2506 | 2200pF., 1kV, Ceramic. . . . .                           | 3198 | 019 | 52220 |
| 0246         | 5 Pin Connector. . . . .                                  | 2422 025 12481 | 2508 | 470pF., 1kV, 10%, Ceramic. . . . .                       | 3198 | 019 | 64710 |
| 0254         | 9 Pin CRT Socket (N-NECK). . . . .                        | 2422 500 80067 | 2515 | 1500pF., 250V, 20%, Ceramic. . . . .                     | 2020 | 554 | 90172 |
| 1000         | Tuner V+U PLL F ENV56D98G3. . . . .                       | 2422 542 90108 | 2520 | 0.1uF., 16V, Ceramic. . . . .                            | 3198 | 017 | 01040 |
| 1002         | 45.75 MHz Saw Filter F072TPL-A. . . . .                   | 2422 549 44327 | 2521 | 22uF., 20%, 50V, Electrolytic. . . . .                   | 3198 | 025 | 52290 |
| 1200         | 4.5MHz Ceramic Filter, TPS*MB. . . . .                    | 2422 549 40807 | 2522 | 0.1uF., 16V, Ceramic. . . . .                            | 3198 | 017 | 01040 |
| 1500         | 5 Amp, 250V, Fuse (5X20). . . . .                         | 2422 086 10905 | 2523 | 1500pF., 2kV, 10%, Ceramic. . . . .                      | 2020 | 558 | 90489 |
| 1515         | 5 Amp, 12V, 1 Pin Relay, G5PA-1. . . . .                  | 2422 132 07444 | 2525 | 470pF., 50V, Ceramic. . . . .                            | 3198 | 017 | 04710 |
| 1600         | Tact Switch. . . . .                                      | 2422 128 02742 | 2526 | 0.001uF., 50V, Ceramic. . . . .                          | 3198 | 017 | 01020 |
| 1601         | Tact Switch. . . . .                                      | 2422 128 02742 | 2527 | 470pF., 50V, Ceramic. . . . .                            | 3198 | 017 | 04710 |
| 1602         | Tact Switch. . . . .                                      | 2422 128 02742 | 2540 | 0.015uF., 50V, Ceramic. . . . .                          | 3198 | 017 | 01530 |
| 1603         | Tact Switch. . . . .                                      | 2422 128 02742 | 2560 | 1000pF., 1kV, 10%, Ceramic. . . . .                      | 3198 | 019 | 61020 |
| 1606         | Tact Switch. . . . .                                      | 2422 128 02742 | 2561 | 47uF., 20%, 160V, Electrolytic. . . . .                  | 2020 | 021 | 91358 |
| 1660         | 12MHz, Crystal Resonator, HC49/U A. . . . .               | 2422 543 01203 | 2562 | 1000pF., 50V, Ceramic. . . . .                           | 3198 | 019 | 11020 |
| 1861         | 514.5KHz Ceramic Resonator CSB503F58. . . . .             | 2422 540 98344 | 2563 | 0.1uF., 10%, 50V, Metalized Polyester. . . . .           | 3198 | 014 | 01040 |
| 2004         | 0.047uF., 25V, Ceramic. . . . .                           | 3198 023 04730 | 2564 | 2200uF., 20%, 16V, Electrolytic. . . . .                 | 2020 | 012 | 93057 |
| 2005         | 10uF., 20%, 50V, Electrolytic. . . . .                    | 3198 025 51090 | 2565 | 470pF., 1kV, 10%, Ceramic. . . . .                       | 3198 | 019 | 64710 |
| 2006         | 470uF., 20%, 16V, Electrolytic. . . . .                   | 3198 025 24710 | 2567 | 47uF., 20%, 25V, Electrolytic. . . . .                   | 3198 | 025 | 34790 |
| 2007         | 0.1uF., 25V, Ceramic. . . . .                             | 3198 023 21040 | 2568 | 1uF., 20%, 50V, Electrolytic. . . . .                    | 3198 | 025 | 51080 |
| 2008         | 100uF., 20%, 25V, Electrolytic. . . . .                   | 3198 025 31010 | 2569 | 470pF., 50V, Ceramic. . . . .                            | 3198 | 017 | 04710 |
| 2009         | 0.022uF., 50V, Ceramic. . . . .                           | 3198 017 02230 | 2580 | 47uF., 20%, 25V, Electrolytic. . . . .                   | 3198 | 025 | 34790 |
| 2181         | 22pF., 50V, Ceramic. . . . .                              | 3198 016 02290 | 2601 | 0.22uF., 25V, Ceramic. . . . .                           | 3198 | 023 | 22240 |
| 2182         | 330pF., 50V, Ceramic. . . . .                             | 3198 016 03310 | 2602 | 100pF., 50V, Ceramic. . . . .                            | 3198 | 016 | 01010 |
| 2183         | 330pF., 50V, Ceramic. . . . .                             | 3198 016 03310 | 2606 | 1000pF., 50V, Ceramic. . . . .                           | 3198 | 016 | 01020 |
| 2184         | 2.2uF., 10V, Ceramic. . . . .                             | 3198 017 22250 | 2607 | 33pF., 50V, Ceramic. . . . .                             | 3198 | 016 | 03390 |
| 2202         | 0.1uF., 25V, Ceramic. . . . .                             | 3198 023 21040 | 2608 | 1uF., 16V, Ceramic. . . . .                              | 3198 | 017 | 21050 |
| 2203         | 0.1uF., 25V, Ceramic. . . . .                             | 3198 023 21040 | 2609 | 33pF., 50V, Ceramic. . . . .                             | 3198 | 016 | 03390 |
| 2204         | 0.1uF., 25V, Ceramic. . . . .                             | 3198 023 21040 | 2611 | 1uF., 16V, Ceramic. . . . .                              | 3198 | 017 | 21050 |
| 2205         | 0.22uF., 25V, Ceramic. . . . .                            | 3198 023 22240 | 2612 | 68pF., 50V, Ceramic. . . . .                             | 3198 | 016 | 06890 |
| 2208         | 0.1uF., 25V, Ceramic. . . . .                             | 3198 023 21040 | 2613 | 68pF., 50V, Ceramic. . . . .                             | 3198 | 016 | 06890 |
| 2209         | 4.7uF., 20%, 50V, Electrolytic. . . . .                   | 3198 025 54780 | 2615 | 1000pF., 50V, Ceramic. . . . .                           | 3198 | 016 | 01020 |
| 2210         | 0.47uF., 20%, 50V, Electrolytic. . . . .                  | 3198 025 54770 | 2618 | 1uF., 16V, Ceramic. . . . .                              | 3198 | 017 | 21050 |
| 2211         | 0.47uF., 16V, Ceramic. . . . .                            | 3198 017 24740 | 2619 | 1uF., 16V, Ceramic. . . . .                              | 3198 | 017 | 21050 |
| 2216         | 100uF., 20%, 25V, Electrolytic. . . . .                   | 3198 025 31010 | 2691 | 100uF., 20%, 25V, Electrolytic. . . . .                  | 3198 | 025 | 31010 |
| 2217         | 0.022uF., 50V, Ceramic. . . . .                           | 3198 017 02230 | 2861 | 0.22uF., 25V, Ceramic. . . . .                           | 3198 | 023 | 22240 |
| 2219         | 0.22uF., 25V, Ceramic. . . . .                            | 3198 023 22240 | 2862 | 2.2uF., 10V, Ceramic. . . . .                            | 3198 | 017 | 22250 |
| 2226         | 100pF., 50V, Ceramic. . . . .                             | 3198 016 01010 | 2864 | 2.2uF., 20%, 50V, Electrolytic. . . . .                  | 3198 | 025 | 52280 |
| 2227         | 4700pF., 50V, Ceramic. . . . .                            | 3198 017 04720 | 2865 | 2.2uF., 20%, 50V, Electrolytic. . . . .                  | 3198 | 025 | 52280 |
| 2228         | 820pF., 50V, Ceramic. . . . .                             | 3198 016 08210 | 2866 | 2.2uF., 10V, Ceramic. . . . .                            | 3198 | 017 | 22250 |
| 2229         | 10uF., 20%, 50V, Electrolytic. . . . .                    | 3198 025 51090 | 2867 | 3300pF., 50V, Ceramic. . . . .                           | 3198 | 017 | 03320 |
| 2233         | 820pF., 50V, Ceramic. . . . .                             | 3198 016 08210 | 2868 | 150pF., 50V, Ceramic. . . . .                            | 3198 | 016 | 01510 |
| 2241         | 1500pF., 50V, Ceramic. . . . .                            | 3198 017 01520 | 2869 | 0.0047uF., 10%, 50V, Metalized Polyeste                  | 3198 | 014 | 04730 |
| 2242         | 1uF., 16V, Ceramic. . . . .                               | 3198 017 21050 | 2870 | 0.047uF., 10%, 50V, Metalized Polyester                  | 3198 | 014 | 04730 |
| 2243         | 2200pF., 50V, Ceramic. . . . .                            | 3198 017 02220 | 2871 | 150pF., 50V, Ceramic. . . . .                            | 3198 | 019 | 11510 |
| 2244         | 0.1uF., 10%, 63V, Metalized Polyester. . . . .            | 2222 370 75104 | 2872 | 0.0033uF., 10%, 50V, Metalized Polyeste                  | 3198 | 014 | 03320 |
| 2245         | 0.22uF., 25V, Ceramic. . . . .                            | 3198 023 22240 | 2873 | 2.2uF., 10V, Ceramic. . . . .                            | 3198 | 017 | 22250 |
| 2247         | 100uF., 20%, 25V, Electrolytic. . . . .                   | 3198 025 31010 | 2874 | 100uF., 20%, 25V, Electrolytic. . . . .                  | 3198 | 025 | 31010 |
| 2248         | 0.022uF., 50V, Ceramic. . . . .                           | 3198 017 02230 | 2875 | 100uF., 20%, 25V, Electrolytic. . . . .                  | 3198 | 025 | 31010 |
| 2249         | 0.022uF., 50V, Ceramic. . . . .                           | 3198 017 02230 | 2876 | 4.7uF., 20%, 50V, Electrolytic. . . . .                  | 3198 | 025 | 54780 |
| 2250         | 2.2uF., 20%, 50V, Electrolytic. . . . .                   | 3198 025 52280 | 2877 | 10uF., 20%, 50V, Electrolytic. . . . .                   | 3198 | 025 | 51090 |
| 2252         | 1000pF., 50V, Ceramic. . . . .                            | 3198 016 01020 | 2878 | 1uF., 20%, 50V, Electrolytic. . . . .                    | 3198 | 025 | 51080 |
| 2253         | 1000pF., 50V, Ceramic. . . . .                            | 3198 016 01020 | 2879 | 4700pF., 50V, Ceramic. . . . .                           | 3198 | 017 | 04720 |
| 2254         | 100pF., 50V, Ceramic. . . . .                             | 3198 016 01010 | 2880 | 0.022uF., 50V, Ceramic. . . . .                          | 3198 | 017 | 02230 |
| 2313         | 220pF., 50V, Ceramic. . . . .                             | 3198 016 02210 | 2883 | 470uF., 20%, 16V, Electrolytic. . . . .                  | 3198 | 025 | 24710 |
| 2323         | 390pF., 50V, Ceramic. . . . .                             | 3198 016 03910 | 2884 | 2.2uF., 20%, 50V, Electrolytic. . . . .                  | 3198 | 025 | 52280 |
| 2331         | 390pF., 50V, Ceramic. . . . .                             | 3198 016 03910 | 2885 | 0.22uF., 10%, 50V, Metalized Polyester                   | 3198 | 014 | 02240 |
| 2341         | 2200pF., 1kV, 10%, Ceramic. . . . .                       | 2020 558 90571 | 2886 | 0.22uF., 25V, Ceramic. . . . .                           | 3198 | 023 | 22240 |
| 2342         | 0.047uF., 10%, 250V Metalized Polyester                   | 2222 365 45473 | 2891 | 2.2uF., 10V, Ceramic. . . . .                            | 3198 | 017 | 22250 |
| 2343         | 0.047uF., 10%, 250V Metalized Polyester                   | 2222 365 45473 | 2902 | 220uF., 20%, 50V, Electrolytic. . . . .                  | 3198 | 026 | 52210 |
| 2401         | 680pF., 50V, Ceramic. . . . .                             | 3198 019 16810 | 2903 | 1uF., 20%, 50V, Electrolytic. . . . .                    | 3198 | 025 | 51080 |
| 2402         | 0.68uF., 5%, 250V, Metalized Polypropyl<br>ene. . . . .   | 2022 333 00091 | 2904 | 0.47uF., 16V, Ceramic. . . . .                           | 3198 | 017 | 24740 |
| 2406         | 330pF., 50V, Ceramic. . . . .                             | 3198 016 03310 | 2905 | 1000pF., 50V, Ceramic. . . . .                           | 3198 | 016 | 01020 |
| 2407         | 0.010uF., 5%, 1.6kV, Metalized Polyprop<br>ylene. . . . . | 2020 301 90249 | 2906 | 0.47uF., 16V, Ceramic. . . . .                           | 3198 | 017 | 24740 |
| 2408         | 0.022uF., 50V, Ceramic. . . . .                           | 3198 019 22230 | 2907 | 1000pF., 50V, Ceramic. . . . .                           | 3198 | 016 | 01020 |
| 2409         | 47uF., 20%, 160V, Electrolytic. . . . .                   | 2020 021 91139 | 2908 | 10uF., 20%, 50V, Electrolytic. . . . .                   | 3198 | 025 | 51090 |
| 2410         | 470uF., 20%, 16V, Electrolytic. . . . .                   | 2020 021 91577 | 2981 | 100uF., 20%, 25V, Electrolytic. . . . .                  | 3198 | 025 | 31010 |
| 2411         | 47uF., 20%, 25V, Electrolytic. . . . .                    | 2020 021 90586 | 2982 | 470pF., 50V, Ceramic. . . . .                            | 3198 | 016 | 04710 |
| 2412         | 0.033uF., 10%, 100V, Metalized Polyester                  | 2222 347 90236 | 2983 | 100uF., 20%, 25V, Electrolytic. . . . .                  | 3198 | 025 | 31010 |
| 2413         | 10uF., 20%, 250V, Electrolytic. . . . .                   | 2020 012 93495 | 2984 | 470pF., 50V, Ceramic. . . . .                            | 3198 | 016 | 04710 |
| 2414         | 1000uF., 20%, 16V, Electrolytic. . . . .                  | 2020 021 91049 | 3000 | 100 ohm, 5%, 1/6W Carbon. . . . .                        | 3198 | 011 | 01010 |
| 2416         | 820pF., 2kV, 10%, Ceramic. . . . .                        | 2020 558 90486 | 3001 | 100 ohm, 5%, 1/6W Carbon. . . . .                        | 3198 | 011 | 01010 |
| 2417         | 1000uF., 20%, 16V, Electrolytic. . . . .                  | 2020 021 91049 | 3002 | Zero ohm "Chip" Jumper. . . . .                          | 3198 | 021 | 90020 |
| 2418         | 0.01uF., 50V, Ceramic. . . . .                            | 3198 017 01030 | 3003 | 1.5k, 5%. . . . .  | 3198 | 021 | 51520 |
| 2419         | 1uF., 20%, 50V, Electrolytic. . . . .                     | 2020 021 91147 | 3004 | 8.2k, 5%. . . . .  | 3198 | 021 | 58220 |
| 2420         | 1uF., 20%, 50V, Electrolytic. . . . .                     | 3198 025 51080 | 3005 | 100 ohm, 5%, 1/6W Carbon. . . . .                        | 3198 | 011 | 01010 |
|              |   |                | 3181 | 75 ohm, 5%, 1/6W Carbon. . . . .                         | 3198 | 011 | 07590 |
|              |   |                | 3182 | 100 ohm, 5%, 1/6W Carbon. . . . .                        | 3198 | 011 | 01010 |

S = Safety Part Be sure to use exact replacement part.

# 19PS40C121 (continued)

|      |  |                |      |  |                |
|------|--|----------------|------|--|----------------|
| 3183 | 150 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 01510 | 3477 | 220 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02210 |
| 3184 | 47k, 5%. . . . .                             | 3198 021 54730 | 3478 | 220 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02210 |
| 3185 | 150 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 01510 | 3479 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 |
| 3186 | 47k, 5%. . . . .                             | 3198 021 54730 | 3500 | 3.3Meg, 5%. . . . .  | 2322 242 13335 |
| 3200 | 390 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 03910 | 3501 | 3.3Meg, 5%. . . . .  | 2322 242 13335 |
| 3201 | 100 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 01010 | 3502 | 4.7 ohm, 20%, 3.1W, Negative Temperature<br>Coefficient. . . . . | 2122 612 00055 |
| 3202 | 100 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 01010 | 3503 | 10 ohm, 30%, 120V, Positive Temperature<br>Coefficient. . . . .  | 2120 661 00026 |
| 3203 | 100 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 01010 | 3506 | 220 ohm, 20%, Carbon . . . . .                                   | 2120 103 90018 |
| 3204 | 10k, 5%, 1/6W Carbon . . . . .               | 3198 011 01030 | 3507 | Surge Protector DSP-301N-A21F. . . . .                           | 2422 549 43073 |
| 3206 | 100k, 5%. . . . .                            | 3198 021 51040 | 3508 | 1.5Meg, 5%. . . . .  | 2322 242 13155 |
| 3207 | 1k, 5%, 1/6W Carbon. . . . .                 | 3198 011 01020 | 3519 | 270 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02710 |
| 3208 | 220 ohm, 5%. . . . .                         | 3198 021 52210 | 3520 | 1.2k, 5%. . . . .  | 3198 021 51220 |
| 3209 | 68 ohm, 5%. . . . .                          | 3198 021 56890 | 3521 | 4.7 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 04780 |
| 3212 | 470 ohm, 5%. . . . .                         | 3198 021 54710 | 3522 | 330k, 5%. . . . .  | 3198 021 53340 |
| 3213 | 560 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 05610 | 3523 | 100 ohm, 5%, Fusible Resistor NFR25 . . . . .                    | 2306 204 03101 |
| 3217 | 330k, 5%. . . . .                            | 3198 021 53340 | 3524 | 56k, 5%. . . . .   | 3198 021 55630 |
| 3218 | 82k, 5%. . . . .                             | 3198 021 58230 | 3525 | 1k, 5%. . . . .  | 3198 021 51020 |
| 3219 | 2.2k, 5%. . . . .                            | 3198 021 52220 | 3526 | 0.15 ohm, 5%, 1W, Power Resistor . . . . .                       | 3198 012 11570 |
| 3226 | 560 ohm, 5%. . . . .                         | 3198 021 55610 | 3527 | 2.2k ohm, 5%, Fusible Resistor NFR25 . . . . .                   | 2306 204 03222 |
| 3232 | 2.2k, 5%. . . . .                            | 3198 021 52220 | 3528 | 10k, 5%. . . . .   | 3198 021 51030 |
| 3235 | 100 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 01010 | 3529 | 47k, 5%. . . . .   | 3198 021 54730 |
| 3241 | 22k, 5%. . . . .                             | 3198 021 52230 | 3530 | 4.7k, 5%. . . . .  | 3198 021 54720 |
| 3242 | 27k, 5%. . . . .                             | 3198 021 52730 | 3531 | Zero ohm "Chip" Jumper . . . . .                                 | 3198 021 90020 |
| 3244 | 820 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 08210 | 3541 | 470 ohm, 5%. . . . .   | 3198 021 54710 |
| 3245 | 39k, 5%. . . . .                             | 3198 021 53930 | 3542 | 1.5k, 5%. . . . .  | 3198 021 51520 |
| 3246 | 10k, 5%. . . . .                             | 3198 021 51030 | 3543 | 82k, 1%, Metal Film. . . . .                                     | 2322 156 28203 |
| 3247 | 220k, 5%. . . . .                            | 3198 021 52240 | 3544 | 6.8k, 1%, Metal Film . . . . .                                   | 2322 156 26802 |
| 3248 | 27k, 5%. . . . .                             | 3198 021 52730 | 3545 | 82k, 5%. . . . .   | 3198 021 58230 |
| 3249 | 820 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 08210 | 3546 | Zero ohm "Chip" Jumper . . . . .                                 | 3198 021 90020 |
| 3251 | 100 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 01010 | 3547 | 0.33 ohm, 5%, 1W, Power Resistor . . . . .                       | 3198 012 13370 |
| 3254 | 1M, 5%. . . . .                              | 3198 021 51050 | 3548 | 8.2k, 5%. . . . .  | 3198 021 58220 |
| 3256 | 1k, 5%. . . . .                              | 3198 021 51020 | 3549 | 470 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 04710 |
| 3257 | 10Meg, 5%. . . . .                           | 3198 021 51060 | 3552 | 10k, 5%. . . . .   | 3198 021 51030 |
| 3258 | 330k, 5%. . . . .                            | 3198 021 53340 | 3559 | 1k, 5%. . . . .  | 3198 021 51020 |
| 3259 | 470k, 5%. . . . .                            | 3198 021 54740 | 3561 | 220 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02210 |
| 3311 | 3.9k, 5%. . . . .                            | 3198 021 53920 | 3562 | 10k, 5%. . . . .   | 3198 021 51030 |
| 3312 | 330 ohm, 5%. . . . .                         | 3198 021 53310 | 3563 | 4.7k, 5%. . . . .  | 3198 021 54720 |
| 3313 | 10 ohm, 5%. . . . .                          | 3198 021 51090 | 3564 | 4.7 ohm, 5%, 2W, Power Resistor. . . . .                         | 3198 012 24780 |
| 3314 | 18k, 5%, Metal Film. . . . .                 | 2322 195 63183 | 3565 | 330 ohm, 5%, 1W, Power Resistor. . . . .                         | 3198 012 13310 |
| 3316 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . . | 2306 204 03689 | 3566 | 2.2k, 5%. . . . .  | 3198 021 52220 |
| 3317 | 1.5k, 20%, 1/2W Carbon . . . . .             | 3198 013 01520 | 3569 | 5.6k, 5%. . . . .  | 3198 021 55620 |
| 3321 | 3.9k, 5%. . . . .                            | 3198 021 53920 | 3580 | 47k, 5%. . . . .   | 3198 021 54730 |
| 3322 | 330 ohm, 5%. . . . .                         | 3198 021 53310 | 3603 | 100 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01010 |
| 3323 | 10 ohm, 5%. . . . .                          | 3198 021 51090 | 3604 | 100 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01010 |
| 3324 | 18k, 5%, Metal Film. . . . .                 | 2322 195 63183 | 3605 | 4.7k, 5%. . . . .  | 3198 021 54720 |
| 3326 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . . | 2306 204 03689 | 3606 | 2.2k, 5%, 1/6W Carbon. . . . .                                   | 3198 011 02220 |
| 3327 | 1.5k, 20%, 1/2W Carbon . . . . .             | 3198 013 01520 | 3607 | 2.2k, 5%, 1/6W Carbon. . . . .                                   | 3198 011 02220 |
| 3331 | 3.9k, 5%. . . . .                            | 3198 021 53920 | 3608 | 100 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01010 |
| 3332 | 330 ohm, 5%. . . . .                         | 3198 021 53310 | 3611 | 100 ohm, 5%. . . . .   | 3198 021 51010 |
| 3333 | 10 ohm, 5%. . . . .                          | 3198 021 51090 | 3618 | 6.8k, 5%, 1/6W Carbon. . . . .                                   | 3198 011 06820 |
| 3334 | 18k, 5%, Metal Film. . . . .                 | 2322 195 63183 | 3622 | 100 ohm, 5%. . . . .   | 3198 021 51010 |
| 3336 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . . | 2306 204 03689 | 3623 | 4.7k, 5%. . . . .  | 3198 021 54720 |
| 3337 | 1.5k, 20%, 1/2W Carbon . . . . .             | 3198 013 01520 | 3624 | 100 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01010 |
| 3341 | 1.5k, 20%, 1/2W Carbon . . . . .             | 3198 013 01520 | 3625 | 100 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01010 |
| 3347 | 220 ohm, 5% Fusible Resistor NFR25 . . . . . | 2306 204 03221 | 3626 | 4.7k, 5%. . . . .  | 3198 021 54720 |
| 3348 | 1.5k, 20%, 1/2W Carbon . . . . .             | 3198 013 01520 | 3627 | 4.7k, 5%. . . . .  | 3198 021 54720 |
| 3349 | 1.2 ohm, 5% Fusible Resistor NFR25 . . . . . | 2306 204 03128 | 3628 | 10k, 5%. . . . .   | 3198 021 51030 |
| 3350 | 1.2 ohm, 5% Fusible Resistor NFR25 . . . . . | 2306 204 03128 | 3630 | 2.2k, 5%. . . . .  | 3198 021 52220 |
| 3401 | 330k, 5%. . . . .                            | 2322 242 13334 | 3632 | Zero ohm "Chip" Jumper . . . . .                                 | 3198 021 90020 |
| 3402 | 18k, 5%, 1/6W Carbon . . . . .               | 3198 011 01830 | 3636 | 100 ohm, 5%. . . . .   | 3198 021 51010 |
| 3403 | 22 ohm, 5%, 3W, Power Resistor . . . . .     | 3198 012 32290 | 3681 | 390 ohm, 5%. . . . .   | 3198 021 53910 |
| 3404 | 6.8 ohm, 5%, Fusible Resistor NFR25. . . . . | 2306 204 03688 | 3682 | 3.3k, 5%. . . . .  | 3198 021 53320 |
| 3406 | 10k, 5%, 1/6W Carbon . . . . .               | 3198 011 01030 | 3683 | 390 ohm, 5%. . . . .   | 3198 021 53910 |
| 3407 | 220 ohm, 5%, 3W, Power Resistor. . . . .     | 3198 012 32210 | 3684 | 560 ohm, 5%. . . . .   | 3198 021 55610 |
| 3408 | 1k, 5%, 1/6W Carbon. . . . .                 | 3198 011 01020 | 3685 | 560 ohm, 5%. . . . .   | 3198 021 55610 |
| 3410 | 33k, 5%. . . . .                             | 3198 021 53330 | 3686 | 1.5k, 5%. . . . .  | 3198 021 51520 |
| 3411 | 10 ohm, 5% Fusible Resistor NFR25. . . . .   | 2306 204 03109 | 3691 | 330 ohm, 5%. . . . .   | 3198 021 53310 |
| 3412 | 3.3k, 1%, Metal Film . . . . .               | 2322 156 23302 | 3693 | 220 ohm, 5%. . . . .   | 3198 021 52210 |
| 3413 | 10k, 5%. . . . .                             | 3198 021 51030 | 3694 | 4.7k, 5%. . . . .  | 3198 021 54720 |
| 3414 | 1.5k, 1%, Metal Film . . . . .               | 2322 156 21502 | 3861 | 100k, 5%. . . . .  | 3198 021 51040 |
| 3415 | 1k, 5%, 1/6W Carbon. . . . .                 | 3198 011 01020 | 3862 | 15k, 5%. . . . .   | 3198 021 51530 |
| 3416 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . . | 2306 204 03689 | 3863 | 1.2k, 5%. . . . .  | 3198 021 51220 |
| 3417 | 33k, 5%, 1/6W Carbon . . . . .               | 3198 011 03330 | 3864 | 100 ohm, 5%. . . . .   | 3198 021 51010 |
| 3418 | 33k, 5%. . . . .                             | 3198 021 53330 | 3865 | 100 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01010 |
| 3419 | 6.8k, 5%. . . . .                            | 3198 021 56820 | 3866 | 100 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01010 |
| 3420 | 33k, 5%. . . . .                             | 3198 021 53330 | 3867 | 3.3k, 5%. . . . .  | 3198 021 53320 |
| 3421 | 6.8 ohm, 5%, 2W, Power Resistor. . . . .     | 3198 012 26880 | 3901 | 1k, 5%. . . . .  | 3198 021 51020 |
| 3422 | 100 ohm, 5%. . . . .                         | 3198 021 51010 | 3902 | 3.3k, 5%. . . . .  | 3198 021 53320 |
| 3423 | 820 ohm, 5%. . . . .                         | 3198 021 58210 | 3903 | 15k, 5%. . . . .   | 3198 021 51530 |
| 3424 | 100 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 01010 | 3904 | 10k, 5%. . . . .   | 3198 021 51030 |
| 3425 | 15k, 5%, 1/6W Carbon . . . . .               | 3198 011 01530 | 3905 | 15k, 5%. . . . .   | 3198 021 51530 |
| 3426 | 1M, 5%. . . . .                              | 3198 021 51050 | 3906 | 10k, 5%. . . . .   | 3198 021 51030 |
| 3427 | 12k, 5%, 1/6W Carbon . . . . .               | 3198 011 01230 | 3907 | 8.2k, 5%. . . . .  | 3198 021 58220 |
| 3428 | 39 ohm, 5% Fusible Resistor NFR25H . . . . . | 2306 207 03399 | 3981 | 120 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01210 |
| 3431 | Zero ohm "Chip" Jumper . . . . .             | 3198 021 90020 | 3982 | 120 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01210 |
| 3432 | 22 ohm, 5%, 1/6W Carbon. . . . .             | 3198 011 02290 | 4001 | Zero ohm "Chip" Jumper . . . . .                                 | 3198 021 90020 |
| 3471 | 3.9 ohm, 1%, Metal Film. . . . .             | 2322 156 23908 | 4002 | Zero ohm "Chip" Jumper . . . . .                                 | 3198 021 90020 |
| 3472 | 3.9 ohm, 1%, Metal Film. . . . .             | 2322 156 23908 | 4181 | Zero ohm "Chip" Jumper . . . . .                                 | 3198 021 90020 |
| 3473 | 2.2k, 1%, Metal Film . . . . .               | 2322 156 22202 | 4214 | Zero ohm "Chip" Jumper . . . . .                                 | 3198 021 90020 |
| 3474 | 1k, 5%, 1/6W Carbon. . . . .                 | 3198 011 01020 | 4216 | Zero ohm "Chip" Jumper . . . . .                                 | 3198 021 90020 |
| 3475 | 2.2k, 1%, Metal Film . . . . .               | 2322 156 22202 |      |  |                |
| 3476 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . . | 2306 204 03158 |      |  |                |

## 19PS40C121 (continued)

|      |  |                |      |                                |                |
|------|--|----------------|------|--------------------------------|----------------|
| 4217 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7201 | Transistor BC847B              | 3198 010 42030 |
| 4410 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7204 | Transistor BC857B              | 3198 010 42150 |
| 4501 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7241 | Transistor PDTA114ET           | 3198 010 44010 |
| 4613 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7311 | Transistor BF422               | 3198 020 43010 |
| 4614 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7312 | Transistor BF422               | 3198 020 43010 |
| 4615 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7313 | Transistor BF423               | 3198 020 43020 |
| 4616 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7321 | Transistor BF422               | 3198 020 43010 |
| 4617 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7322 | Transistor BF422               | 3198 020 43010 |
| 4618 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7323 | Transistor BF423               | 3198 020 43020 |
| 4619 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7331 | Transistor BF422               | 3198 020 43010 |
| 4622 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7332 | Transistor BF422               | 3198 020 43010 |
| 4623 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7333 | Transistor BF423               | 3198 020 43020 |
| 4691 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7401 | Transistor PDTCT143ZT          | 9340 547 00215 |
| 4692 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7402 | Power Transistor BUT11APX-1200 | 9340 563 21127 |
| 4693 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7403 | Transistor BC337-25            | 3198 020 43530 |
| 4901 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7404 | Transistor BC636               | 9332 219 50126 |
| 4903 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7405 | Transistor BC857B              | 3198 010 42150 |
| 4911 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7406 | Transistor BC857B              | 3198 010 42150 |
| 4982 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7407 | Power Transistor BD135-16      | 3198 020 41190 |
| 5001 | Fixed Inductor, 5.6uH, 10%             | 3198 018 25680 | 7408 | Power Transistor BD135-17      | 3198 020 41190 |
| 5002 | Fixed Inductor, 0.82uH, 10%            | 3198 018 18270 | 7409 | Transistor BC857B              | 3198 010 42150 |
| 5201 | Fixed Inductor, 6.8uH, 5%              | 3198 018 16880 | 7471 | IC, TDA9302H                   | 9322 088 25682 |
| 5202 | Fixed Inductor, 10uH, 10%              | 3198 018 21090 | 7515 | Opto-Coupler, TCET1103(G)      | 9322 140 14667 |
| 5241 | Fixed Inductor, 10uH, 10%              | 3198 018 21090 | 7520 | IC, TEA1507P/N1                | 9352 673 56112 |
| 5242 | Fixed Inductor, 10uH, 5%               | 3198 018 11090 | 7521 | Power FET, STP5NC50FP          | 9322 160 71687 |
| 5341 | Fixed Inductor, 22uH, 5% SPT0508       | 2422 535 95365 | 7522 | Transistor BC847B              | 3198 010 42030 |
| 5342 | Fixed Inductor Bead, 100MHz            | 3198 018 90010 | 7540 | Transistor BC547B              | 3198 020 40030 |
| 5408 | Fixed Inductor, 27uH, 5% SPT0508       | 2422 535 95366 | 7541 | Transistor PDTCT114ET          | 9340 310 10215 |
| 5410 | Fixed Inductor, 27uH, 5% SPT0508       | 2422 535 95366 | 7542 | Transistor BC857B              | 3198 010 42150 |
| 5444 | Signal Driver Transformer SC10009-03   | 2422 531 02446 | 7560 | IC, L78L33ACZ                  | 9322 134 92676 |
| 5445 | LOT Transformer MSL0T4                 | 3128 138 21541 | 7561 | Transistor PDTCT143ZT          | 9340 547 00215 |
| 5502 | AC Filter                              | 2422 549 44284 | 7580 | Transistor BC857B              | 3198 010 42150 |
| 5520 | Transformer SS28011-04                 | 2422 531 02458 | 7602 | IC M24C16-WBN6                 | 9322 147 25682 |
| 5521 | Fixed Inductor Bead, 100MHz            | 3198 018 90010 | 7861 | IC, TDA9853H/V1                | 9352 671 19557 |
| 5560 | Fixed Inductor Bead, 100MHz            | 3198 018 90010 | 7901 | IC, AN7522N                    | 9322 158 65667 |
| 5561 | Fixed Inductor, 27uH, 10%              | 3198 018 22790 | 9181 | Jumper Wire                    | 0322 179 00003 |
| 5562 | Fixed Inductor Bead, 100MHz            | 3198 018 90010 | 9403 | Jumper Wire                    | 0322 179 00003 |
| 5563 | Fixed Inductor Bead, 100MHz            | 3198 018 90010 | 9696 | Jumper Wire                    | 0322 179 00003 |
| 5602 | Fixed Inductor, 5.6uH, 5%              | 3198 018 15680 | 9819 | Jumper Wire                    | 0322 179 00003 |
| 5603 | Fixed Inductor, 5.6uH, 5%              | 3198 018 15680 | 9852 | Jumper Wire                    | 0322 179 00003 |
| 5604 | Fixed Inductor, 5.6uH, 5%              | 3198 018 15680 | 9890 | Jumper Wire                    | 0322 179 00003 |
| 5861 | Fixed Inductor, 10uH, 5%               | 3198 018 11090 | 9894 | Jumper Wire                    | 0322 179 00003 |
| 6001 | Diode Regulator, BZX79-C33 (33Volt)    | 3198 010 23390 | 9913 | Jumper Wire                    | 0322 179 00003 |
| 6201 | Diode, BAV21                           | 3198 010 10630 | 9914 | Jumper Wire                    | 0322 179 00003 |
| 6202 | Diode, BAS316                          | 3198 010 10630 | CBA  | Main Chassis                   | 3139 178 69901 |
| 6206 | Diode Regulator, BZX384-C6V8 (6.8Volt) | 3198 020 56880 |      |                                |                |
| 6241 | Diode Regulator, BZX384-C6V8 (6.8Volt) | 3198 020 56880 |      |                                |                |
| 6311 | Diode, BAV21                           | 3198 010 10070 |      |                                |                |
| 6321 | Diode, BAV21                           | 3198 010 10070 |      |                                |                |
| 6331 | Diode, BAV21                           | 3198 010 10070 |      |                                |                |
| 6341 | Diode, BAV21                           | 3198 010 10070 |      |                                |                |
| 6342 | Diode, 1SS135                          | 9322 038 00673 |      |                                |                |
| 6343 | Diode Regulator, BZX384-C8V2 (8.2Volt) | 3198 020 58280 |      |                                |                |
| 6401 | Diode, BAV21                           | 3198 010 10070 |      |                                |                |
| 6402 | Diode Rectifier, BYV27-200             | 9322 126 72673 |      |                                |                |
| 6404 | Diode Rectifier, BYD33D                | 9337 410 30133 |      |                                |                |
| 6405 | Diode Rectifier, BYD33D                | 9337 234 00133 |      |                                |                |
| 6406 | Diode, BAV70                           | 9331 849 10215 |      |                                |                |
| 6407 | Diode, BAS316                          | 3198 010 10630 |      |                                |                |
| 6408 | Diode, BAS316                          | 3198 010 10630 |      |                                |                |
| 6409 | Diode Rectifier, BYD33D                | 9337 234 00133 |      |                                |                |
| 6410 | Diode Rectifier, BYD33D                | 9337 234 00133 |      |                                |                |
| 6413 | Diode, 1N4148                          | 3198 010 10010 |      |                                |                |
| 6414 | Diode Regulator, BZX79-B6V2 (6.2Volt)  | 9331 668 30133 |      |                                |                |
| 6415 | Diode, BAS316                          | 3198 010 10630 |      |                                |                |
| 6419 | Diode Regulator, BZX79-C5V6 (5.6Volt)  | 3198 010 25680 |      |                                |                |
| 6420 | Diode Regulator, BZX79-C9V1 (9.1Volt)  | 9331 177 80133 |      |                                |                |
| 6423 | Diode Rectifier, BYD33D                | 9337 234 00133 |      |                                |                |
| 6471 | Diode Rectifier, BYD33D                | 9337 234 00133 |      |                                |                |
| 6500 | Diode Rectifier, 1N5062                | 3198 010 10120 |      |                                |                |
| 6501 | Diode Rectifier, 1N5062                | 3198 010 10120 |      |                                |                |
| 6502 | Diode Rectifier, 1N5062                | 3198 010 10120 |      |                                |                |
| 6503 | Diode Rectifier, 1N5062                | 3198 010 10120 |      |                                |                |
| 6520 | Diode Rectifier, BYD33D                | 9337 234 00133 |      |                                |                |
| 6523 | Diode, 1N4148                          | 3198 010 10010 |      |                                |                |
| 6540 | Diode Regulator, BZX79-B6V2 (6.2Volt)  | 9331 668 30133 |      |                                |                |
| 6541 | Diode Regulator, BZX79-C10 (10Volt)    | 3198 010 21090 |      |                                |                |
| 6560 | Diode Rectifier, BYW76-RAS15/10        | 9322 127 32682 |      |                                |                |
| 6561 | Diode Rectifier, BYW76-RAS15/10        | 9322 127 32682 |      |                                |                |
| 6562 | Diode Rectifier, EGP20DL-5100          | 9322 164 42682 |      |                                |                |
| 6563 | Diode, BAS316                          | 3198 010 10630 |      |                                |                |
| 6565 | Diode, BAV70                           | 9331 849 10215 |      |                                |                |
| 6566 | Diode, BAS316                          | 3198 010 10630 |      |                                |                |
| 6569 | Diode, BAS316                          | 3198 010 10630 |      |                                |                |
| 6570 | Diode Regulator, BZX384-C6V8 (6.8Volt) | 3198 020 56880 |      |                                |                |
| 6580 | Diode, BAS316                          | 3198 010 10630 |      |                                |                |
| 6581 | Diode, BAS316                          | 3198 010 10630 |      |                                |                |
| 6681 | Diode, BAT85                           | 9336 247 60133 |      |                                |                |
| 6691 | LED, VS LTL-10224WHCR                  | 9322 050 99682 |      |                                |                |
| 6692 | IR Receiver, TSOP1836UH3V              | 9322 127 54667 |      |                                |                |
| 6901 | Diode, BAS316                          | 3198 010 10630 |      |                                |                |
| 7200 | IC, 3US1 Software Cluster              | 9352 699 89557 |      |                                |                |

### Model 19PS40C/121 Cabinet Parts

| Model 19PS40C/121 Cabinet Parts |                                 |                |
|---------------------------------|---------------------------------|----------------|
| S AC01                          | AC Power Cord                   | 3135 010 04771 |
| AC03                            | Cabinet Back                    | 3139 124 36351 |
| AC04                            | Cabinet Front                   | 3139 137 78131 |
| AC05                            | Chassis Guide                   | 3139 124 37561 |
| AC06                            | Control Buttons                 | 3139 124 36341 |
| S AC08                          | CRT A48EJP03X110                | 9301 826 80361 |
| S AC09                          | Degaussing Coil                 | 2422 549 44428 |
| AC10                            | Degaussing Coil Holder (2 used) | 3135 013 01641 |
| AC11                            | Light Guide                     | 3139 124 36271 |
| AC13                            | Owner's Manual                  | 3121 235 20061 |
| AC14                            | Power Button                    | 3139 124 34271 |
| REMOTE                          | Remote Transmitter              | 3139 228 86461 |
| AC16                            | Speaker, 8W, 16 ohm (2 used)    | 2422 264 00407 |
| S AC18                          | Deflection Yoke                 | 3306 133 24791 |
| AC21                            | Batteries f Remote Transmitter  | 9299 000 65263 |
| AC24                            | Degaussing Coil Spring          | 3139 121 26231 |
| AC32                            | Assembly Braid                  | 3135 010 07321 |

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## Main Chassis

|        |  |      |     |       |        |  |      |     |       |
|--------|--|------|-----|-------|--------|--|------|-----|-------|
|        | Main Chassis                             |      |     |       | 2412   | 0.033uF, 10%, 100 V, Polyester . . . .   | 2222 | 347 | 90236 |
|        | IC-SPRING 7402 . . . . .                 | 3139 | 121 | 24581 | 2413   | 10uF, 20%, 250 Volt, Electrolytic . . .  | 2020 | 012 | 93495 |
| 0139   | IC, 3US1 Software Cluster. . . . .       | 9352 | 699 | 89557 | 2414   | 1000uF, 20%, 16 Volt, Electrolytic . .   | 2020 | 021 | 91049 |
| 7200   | 3 Pin Cinch Cover, (Insert on 3 Pin cin  |      |     |       | 2416   | 820pF, 10%, 2kV, Ceramic. . . . .        | 2020 | 558 | 90486 |
| 0040   | ch (Front)). . . . .                     | 3139 | 124 | 25551 | 2417   | 1000uF, 20%, 16 Volt, Electrolytic . .   | 2020 | 021 | 91049 |
| 0121   | Heatsink, Line . . . . .                 | 3139 | 121 | 26992 | 2418   | 0.01uF., 50 Volt, Ceramic . . . . .      | 3198 | 017 | 01030 |
| 0122   | Frame, Heatsink. . . . .                 | 3139 | 121 | 26952 | 2419   | 1uF., 20%, 50V, Electrolytic . . . . .   | 2020 | 021 | 91147 |
| 0124   | Heatsink . . . . .                       | 3139 | 121 | 26941 | 2420   | 1.0uF., 20%, 50V, Electrolytic . . . .   | 3198 | 025 | 51080 |
| 0127   | Socket, Fuse Holder. . . . .             | 3122 | 358 | 71251 | 2421   | 0.047uF., 50 Volt, Ceramic . . . . .     | 3198 | 017 | 24730 |
| 0137   | Spring . . . . .                         | 3139 | 121 | 24581 | 2422   | 470uF, 20%, 16 Volt, Electrolytic. . .   | 2020 | 021 | 91577 |
| 0138   | Spring, IC . . . . .                     | 3104 | 301 | 22081 | 2423   | 10uF, 20%, 100V, Electrolytic. . . . .   | 2020 | 021 | 90813 |
| 0139   | Spring . . . . .                         | 3122 | 121 | 24786 | 2471   | 0.1uF., 10%, 50 Volt, Polyester. . . .   | 3198 | 014 | 01040 |
| 0152   | Cable Assembly . . . . .                 | 3104 | 301 | 09421 | 2472   | 0.1uF., 10%, 50 Volt, Polyester. . . .   | 3198 | 014 | 01040 |
| 0211   | 2 Pin Connector. . . . .                 | 2422 | 025 | 16269 | 2473   | 100uF, 20%, 50V, Electrolytic. . . . .   | 2020 | 021 | 90587 |
| 0212   | 2 Pin Connector. . . . .                 | 2422 | 025 | 16375 | 2475   | 470pF., 50 Volt, NP0, Ceramic. . . . .   | 3198 | 016 | 04710 |
| 0217   | 3 Pin Connector. . . . .                 | 2412 | 020 | 00725 | 2476   | 0.22uF., 10%, 50 Volt, Polyester . . .   | 3198 | 014 | 02240 |
| 0218   | 3 Pin Connector. . . . .                 | 2422 | 026 | 04742 | 2477   | 470pF., 50 Volt, NP0, Ceramic. . . . .   | 3198 | 016 | 04710 |
| 0220   | 3 Pin Connector. . . . .                 | 2422 | 025 | 04851 | S 2500 | 0.47uF, 20%, 275 V, Polypropylene . .    | 2222 | 336 | 29148 |
| 0221   | 4 Pin Connector. . . . .                 | 2422 | 025 | 15503 | 2501   | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0222   | 2 Pin Connector. . . . .                 | 2422 | 025 | 10646 | 2502   | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0232   | Headphone Jack . . . . .                 | 2422 | 026 | 04747 | 2503   | 220uF, 20%, 200 Volt, Electrolytic . .   | 2020 | 024 | 90557 |
| 0243   | 6 Pin Connector. . . . .                 | 2422 | 025 | 04854 | 2506   | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0244   | 3 Pin Connector. . . . .                 | 2422 | 025 | 04851 | 2508   | 470pF., 10%, 1kV, Ceramic. . . . .       | 3198 | 019 | 64710 |
| 0245   | 6 Pin Connector. . . . .                 | 2422 | 025 | 04854 | S 2515 | 1500pF, 20%, 250 Volt, Ceramic . . . .   | 2020 | 554 | 90128 |
| 0246   | 5 Pin Connector. . . . .                 | 2422 | 025 | 12481 | 2520   | 0.1uF., 16 Volt, Ceramic . . . . .       | 3198 | 017 | 01040 |
| 0254   | CRT Socket, 9 Pin, M-Neck. . . . .       | 2422 | 500 | 80068 | 2521   | 22uF., 20%, 50V, Electrolytic. . . . .   | 3198 | 025 | 52290 |
| 1000   | Tuner, PLL, ENV56D98G3 . . . . .         | 2422 | 542 | 90108 | 2522   | 0.1uF., 16 Volt, Ceramic . . . . .       | 3198 | 017 | 01040 |
| 1002   | SAW Filter, 45.75MHz . . . . .           | 2422 | 549 | 44518 | 2523   | 1500pF, 10%, 2kV, Ceramic. . . . .       | 2020 | 558 | 90489 |
| 1200   | Ceramic Filter, 4.5MHz . . . . .         | 2422 | 549 | 40807 | 2525   | 470pF., 50 Volt, Ceramic . . . . .       | 3198 | 017 | 04710 |
| S 1500 | Fuse, 4 Amp, 250 Volt . . . . .          | 2422 | 086 | 10869 | 2526   | 1000pF., 50 Volt, Ceramic. . . . .       | 3198 | 017 | 01020 |
| S 1500 | Fuse, 4 A, 250V. . . . .                 | 2422 | 086 | 10914 | 2527   | 470pF., 50 Volt, Ceramic . . . . .       | 3198 | 017 | 04710 |
| S 1515 | Relay, 1 Pin, 12 Volt, 5 Amp . . . . .   | 2422 | 132 | 07444 | 2540   | 0.015uF., 50 Volt, Ceramic . . . . .     | 3198 | 017 | 01530 |
| 1600   | Tactile Switch . . . . .                 | 2422 | 128 | 02742 | 2560   | 1000pF., 10%, 1kV, Ceramic . . . . .     | 3198 | 019 | 61020 |
| 1601   | Tactile Switch . . . . .                 | 2422 | 128 | 02742 | 2561   | 47uF, 20%, 160V, Electrolytic. . . . .   | 2020 | 021 | 91358 |
| 1602   | Tactile Switch . . . . .                 | 2422 | 128 | 02742 | 2562   | 1000pF, 50 Volt, Ceramic. . . . .        | 3198 | 019 | 11020 |
| 1603   | Tactile Switch . . . . .                 | 2422 | 128 | 02742 | 2563   | 0.1uF., 10%, 50 Volt, Polyester. . . . . | 3198 | 014 | 01040 |
| 1606   | Tactile Switch . . . . .                 | 2422 | 128 | 02742 | 2564   | 2200uF, 20%, 16 Volt, Electrolytic . .   | 2020 | 012 | 93057 |
| 1660   | Crystal Resonator, 12,000 MHz. . . . .   | 2422 | 543 | 01203 | 2565   | 470pF., 10%, 1kV, Ceramic. . . . .       | 3198 | 019 | 64710 |
| 1861   | Ceramic Resonator, 503.5kHz. . . . .     | 2422 | 540 | 98344 | 2567   | 47uF., 20%, 25V, Electrolytic. . . . .   | 3198 | 025 | 34790 |
| 2004   | 0.047uF., 25 Volt, Ceramic . . . . .     | 3198 | 023 | 04730 | 2568   | 1.0uF., 20%, 50V, Electrolytic . . . .   | 3198 | 025 | 51080 |
| 2005   | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 | 025 | 51090 | 2569   | 470pF., 50 Volt, Ceramic . . . . .       | 3198 | 017 | 04710 |
| 2006   | 470uF., 20%, 16V, Electrolytic . . . .   | 3198 | 025 | 24100 | 2580   | 47uF., 20%, 25V, Electrolytic. . . . .   | 3198 | 025 | 34790 |
| 2007   | 0.1uF., 25V, Ceramic . . . . .           | 3198 | 023 | 21040 | 2601   | 0.22uF., 25V, Ceramic. . . . .           | 3198 | 023 | 22240 |
| 2008   | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 | 025 | 31010 | 2602   | 100pF., 50 Volt, NP0, Ceramic. . . . .   | 3198 | 016 | 01010 |
| 2009   | 0.022uF., 50 Volt, Ceramic. . . . .      | 3198 | 017 | 02230 | 2606   | 1000pF., 50 Volt, NP0, Ceramic . . . .   | 3198 | 016 | 01020 |
| 2181   | 22pF., 50 Volt, NP0, Ceramic . . . . .   | 3198 | 016 | 02290 | 2607   | 33pF., 5%, 50V, NP0, Ceramic . . . . .   | 3198 | 016 | 03390 |
| 2182   | 330pF., 50 Volt, NP0, Ceramic. . . . .   | 3198 | 016 | 03310 | 2608   | 1uF., 16V, Ceramic . . . . .             | 3198 | 017 | 21050 |
| 2183   | 330pF., 50 Volt, NP0, Ceramic. . . . .   | 3198 | 016 | 03310 | 2609   | 33pF., 5%, 50V, NP0, Ceramic . . . . .   | 3198 | 016 | 03390 |
| 2184   | 2.2uF., 10 Volt, Ceramic . . . . .       | 3198 | 017 | 22250 | 2611   | 1uF., 16V, Ceramic . . . . .             | 3198 | 017 | 21050 |
| 2202   | 0.1uF., 25V, Ceramic . . . . .           | 3198 | 023 | 21040 | 2612   | 68pF., 50 Volt, NP0, Ceramic . . . . .   | 3198 | 016 | 06890 |
| 2203   | 0.1uF., 25V, Ceramic . . . . .           | 3198 | 023 | 21040 | 2613   | 68pF., 50 Volt, NP0, Ceramic . . . . .   | 3198 | 016 | 06890 |
| 2204   | 0.1uF., 25V, Ceramic . . . . .           | 3198 | 023 | 21040 | 2615   | 1000pF., 50 Volt, NP0, Ceramic . . . .   | 3198 | 016 | 01020 |
| 2205   | 0.22uF., 25V, Ceramic. . . . .           | 3198 | 023 | 22240 | 2618   | 1uF., 16V, Ceramic . . . . .             | 3198 | 017 | 21050 |
| 2208   | 0.1uF., 25V, Ceramic . . . . .           | 3198 | 023 | 21040 | 2619   | 1uF., 16V, Ceramic . . . . .             | 3198 | 017 | 21050 |
| 2209   | 4.7uF., 20%, 50V, Electrolytic . . . .   | 3198 | 025 | 54780 | 2691   | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 | 025 | 31010 |
| 2210   | 0.47uF., 20%, 50V, Electrolytic. . . .   | 3198 | 025 | 54770 | 2861   | 0.22uF., 25V, Ceramic. . . . .           | 3198 | 023 | 22240 |
| 2211   | 0.47uF., 16 Volt, Ceramic. . . . .       | 3198 | 017 | 24740 | 2862   | 2.2uF., 10 Volt, Ceramic . . . . .       | 3198 | 017 | 22250 |
| 2216   | 470uF., 20%, 16V, Electrolytic . . . .   | 3198 | 025 | 24710 | 2864   | 2.2uF., 20%, 50V, Electrolytic . . . .   | 3198 | 025 | 52280 |
| 2217   | 0.022uF., 50 Volt, Ceramic. . . . .      | 3198 | 017 | 02230 | 2865   | 2.2uF., 20%, 50V, Electrolytic . . . .   | 3198 | 025 | 52280 |
| 2219   | 0.022uF., 25V, Ceramic. . . . .          | 3198 | 023 | 22240 | 2866   | 2.2uF., 10 Volt, Ceramic . . . . .       | 3198 | 017 | 22250 |
| 2226   | 100pF., 50 Volt, NP0, Ceramic. . . . .   | 3198 | 016 | 01010 | 2867   | 3300pF., 50 Volt, Ceramic . . . . .      | 3198 | 017 | 03320 |
| 2227   | 4700pF., 50 Volt, Ceramic. . . . .       | 3198 | 017 | 04720 | 2868   | 150pF., 50 Volt, NP0, Ceramic . . . . .  | 3198 | 016 | 01510 |
| 2228   | 820pF., 50 Volt, NP0, Ceramic. . . . .   | 3198 | 016 | 08210 | 2869   | 0.047uF, 10%, 50V, Polyester. . . . .    | 3198 | 014 | 04730 |
| 2229   | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 | 025 | 51090 | 2870   | 0.047uF, 10%, 50V, Polyester. . . . .    | 3198 | 014 | 04730 |
| 2233   | 820pF., 50 Volt, NP0, Ceramic. . . . .   | 3198 | 016 | 08210 | 2871   | 150pF., 10%, 50V, Ceramic. . . . .       | 3198 | 019 | 11510 |
| 2241   | 1500pF., 50 Volt, Ceramic. . . . .       | 3198 | 017 | 01520 | 2872   | 3.3nF, 50V, 10%, Polypropylene . . . .   | 3198 | 014 | 03320 |
| 2242   | 1uF., 16V, Ceramic . . . . .             | 3198 | 017 | 21050 | 2873   | 2.2uF., 10 Volt, Ceramic . . . . .       | 3198 | 017 | 22250 |
| 2243   | 2200pF., 50 Volt, Ceramic. . . . .       | 3198 | 017 | 02220 | 2874   | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 | 025 | 31010 |
| 2244   | 0.1uF., 10%, 63V, Metalized Polyester.   | 2222 | 370 | 75104 | 2875   | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 | 025 | 31010 |
| 2245   | 0.022uF., 25V, Ceramic. . . . .          | 3198 | 023 | 22240 | 2876   | 4.7uF., 20%, 50V, Electrolytic . . . .   | 3198 | 025 | 54780 |
| 2247   | 470uF., 20%, 16V, Electrolytic . . . .   | 3198 | 025 | 24710 | 2877   | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 | 025 | 51090 |
| 2248   | 0.022uF., 50 Volt, Ceramic. . . . .      | 3198 | 017 | 02230 | 2878   | 1.0uF., 20%, 50V, Electrolytic . . . .   | 3198 | 025 | 51080 |
| 2249   | 0.022uF., 50 Volt, Ceramic. . . . .      | 3198 | 017 | 02230 | 2879   | 4700pF., 50 Volt, Ceramic. . . . .       | 3198 | 017 | 04720 |
| 2250   | 2.2uF., 20%, 50V, Electrolytic . . . .   | 3198 | 025 | 52280 | 2880   | 0.022uF., 50 Volt, Ceramic. . . . .      | 3198 | 017 | 02230 |
| 2252   | 1000pF., 50 Volt, NP0, Ceramic . . . .   | 3198 | 016 | 01020 | 2883   | 470uF., 20%, 16V, Electrolytic . . . .   | 3198 | 025 | 24710 |
| 2253   | 1000pF., 50 Volt, NP0, Ceramic . . . .   | 3198 | 016 | 01020 | 2884   | 2.2uF., 20%, 50V, Electrolytic . . . .   | 3198 | 025 | 52280 |
| 2254   | 100pF., 50 Volt, NP0, Ceramic. . . . .   | 3198 | 016 | 01010 | 2885   | 0.22uF., 10%, 50 Volt, Polyester . . . . | 3198 | 014 | 02240 |
| 2313   | 220pF., 50 Volt, NP0, Ceramic. . . . .   | 3198 | 016 | 02210 | 2891   | 2.2uF., 10 Volt, Ceramic . . . . .       | 3198 | 017 | 22250 |
| 2323   | 390pF., 50 Volt, NP0, Ceramic. . . . .   | 3198 | 016 | 03910 | 2902   | 220uF., 20%, 50V, Electrolytic . . . .   | 3198 | 026 | 52210 |
| 2331   | 390pF., 50 Volt, NP0, Ceramic. . . . .   | 3198 | 016 | 03910 | 2903   | 1.0uF., 20%, 50V, Electrolytic . . . .   | 3198 | 025 | 51080 |
| 2341   | 2200pF, 10%, 1kV, Ceramic. . . . .       | 2020 | 558 | 90571 | 2904   | 0.47uF., 16 Volt, Ceramic. . . . .       | 3198 | 017 | 24740 |
| 2342   | 0.047uF, 10%, 250 V, Metalized Polyeste  | 2222 | 365 | 45473 | 2905   | 1000pF., 50 Volt, NP0, Ceramic . . . .   | 3198 | 016 | 01020 |
| 2343   | 0.047uF, 10%, 250 V, Metalized Polyeste  | 2222 | 365 | 45473 | 2906   | 0.47uF., 16 Volt, Ceramic. . . . .       | 3198 | 017 | 24740 |
| 2401   | 680pF., 50 Volt, Ceramic . . . . .       | 3198 | 019 | 16810 | 2907   | 1000pF., 50 Volt, NP0, Ceramic . . . .   | 3198 | 016 | 01020 |
| 2402   | 820nF, 250V, 5%, Polypropylene . . . .   | 2222 | 479 | 90029 | 2908   | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 | 025 | 51090 |
| 2406   | 330pF., 50 Volt, NP0, Ceramic. . . . .   | 3198 | 016 | 03310 | 2981   | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 | 025 | 51090 |
| 2407   | 0.01uF., 5%, 1.6kV, Polypropylene. . .   | 2222 | 375 | 90154 | 2982   | 470pF., 50 Volt, NP0, Ceramic. . . . .   | 3198 | 016 | 04710 |
| 2408   | 0.022uF., 50V, Ceramic . . . . .         | 3198 | 019 | 22230 | 2983   | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 | 025 | 51090 |
| 2409   | 47uF, 20%, 160 Volt, Electrolytic. . . . | 2020 | 021 | 91139 | 2984   | 470pF., 50 Volt, NP0, Ceramic. . . . .   | 3198 | 016 | 04710 |
| 2410   | 470uF, 20%, 16 Volt, Electrolytic. . . . | 2020 | 021 | 91577 | 3000   | 100 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 | 011 | 01010 |
| 2411   | 47uF., 20%, 25V, Electrolytic. . . . .   | 2020 | 021 | 90586 | 3001   | 100 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 | 011 | 01010 |
|        |  |      |     |       | 3002   | Jumper, 0.05 ohm . . . . .               | 3198 | 021 | 90020 |

S = Safety Part Be sure to use exact replacement part.



# 19PS40C122 (continued)

|        |                                      |      |     |       |        |                                   |      |     |       |
|--------|--------------------------------------|------|-----|-------|--------|-----------------------------------|------|-----|-------|
| 3003   | 1.5k, 5%                             | 3198 | 021 | 51520 | 3472   | 4.7 ohm, 1%, 0.6W, Metal Film.    | 2322 | 156 | 24708 |
| 3004   | 8.2k, 5%                             | 3198 | 021 | 58220 | 3473   | 2.2k, 1%, Metal Film              | 2322 | 156 | 22202 |
| 3005   | 100 ohm, 5%, 1/6 W, Carbon           | 3198 | 011 | 01010 | 3474   | 1k, 5%, 1/6 W, Carbon.            | 3198 | 011 | 01020 |
| 3181   | 75 ohm, 5%, 1/6 W, Carbon.           | 3198 | 011 | 07590 | 3475   | 2.2k, 1%, Metal Film              | 2322 | 156 | 22202 |
| 3182   | 100 ohm, 5%, 1/6 W, Carbon           | 3198 | 011 | 01010 | S 3476 | 1.5 ohm, 5%, Fusible resistor.    | 2306 | 204 | 03158 |
| 3183   | 150 ohm, 5%, 1/6 W, Carbon           | 3198 | 011 | 01510 | 3477   | 220 ohm, 5%, 1/6 W, Carbon        | 3198 | 011 | 02210 |
| 3184   | 47k, 5%.                             | 3198 | 021 | 54730 | 3478   | 220 ohm, 5%, 1/6 W, Carbon        | 3198 | 011 | 02210 |
| 3185   | 150 ohm, 5%, 1/6 W, Carbon           | 3198 | 011 | 01510 | 3479   | 1k, 5%, 1/6 W, Carbon.            | 3198 | 011 | 01020 |
| 3186   | 47k, 5%.                             | 3198 | 021 | 54730 | S 3500 | 3.3 Meg ohm, 5%, Metalized Glass  | 2322 | 242 | 13335 |
| 3200   | 390 ohm, 5%, 1/6 W, Carbon           | 3198 | 011 | 03910 | S 3501 | 3.3 Meg ohm, 5%, Metalized Glass  | 2322 | 242 | 13335 |
| 3201   | 100 ohm, 5%, 1/6 W, Carbon           | 3198 | 011 | 01010 | S 3502 | NTC, 4.7 ohm, 20%, 3 W            | 2122 | 612 | 00055 |
| 3202   | 100 ohm, 5%, 1/6 W, Carbon           | 3198 | 011 | 01010 | S 3503 | PTC, 10 ohm, 30%, 120 Volt        | 2120 | 661 | 00026 |
| 3203   | 100 ohm, 5%, 1/6 W, Carbon           | 3198 | 011 | 01010 | 3506   | 220 ohm, 20%, 1/2 W, Carbon.      | 3198 | 013 | 02210 |
| 3204   | 10k, 5%, 1/6 W, Carbon               | 3198 | 011 | 01030 | S 3507 | 300 V Surge Protector.            | 2422 | 549 | 43073 |
| 3206   | 100k, 5%.                            | 3198 | 021 | 51040 | 3508   | 1.5 Meg, 5%, Metalized Glass      | 2322 | 242 | 13155 |
| 3207   | 1k, 5%, 1/6 W, Carbon.               | 3198 | 011 | 01020 | 3519   | 270 ohm, 5%, 1/6 W, Carbon        | 3198 | 011 | 02710 |
| 3208   | 220 ohm 5%.                          | 3198 | 021 | 52210 | 3520   | 1.2k, 5%                          | 3198 | 021 | 51220 |
| 3209   | 68 ohm, 5%                           | 3198 | 021 | 56890 | 3521   | 4.7 ohm, 5%, 1/6W, Carbon.        | 3198 | 011 | 04780 |
| 3212   | 470 ohm, 5%                          | 3198 | 021 | 54710 | 3522   | 330k, 5%                          | 3198 | 021 | 53340 |
| 3213   | 560 ohm, 5%, 1/6W, Carbon.           | 3198 | 011 | 05610 | S 3523 | Fusible Resistor, 100 ohm, 5%.    | 2306 | 204 | 03101 |
| 3217   | 330k, 5%                             | 3198 | 021 | 53340 | 3524   | 56k, 5%.                          | 3198 | 021 | 55630 |
| 3218   | 82k, 5%                              | 3198 | 021 | 58230 | 3525   | 1k, 5%.                           | 3198 | 021 | 51020 |
| 3219   | 2.2k, 5%.                            | 3198 | 021 | 52220 | S 3526 | Power Resistor, 0.15 ohm, 5%, 1W  | 3198 | 012 | 11570 |
| 3226   | 560 ohm, 5%                          | 3198 | 021 | 55610 | S 3527 | Fusible Resistor, 2.2k, 5%        | 2306 | 204 | 03222 |
| 3232   | 2.2k, 5%.                            | 3198 | 021 | 52220 | 3528   | 10k, 5%.                          | 3198 | 021 | 51030 |
| 3235   | 100 ohm, 5%, 1/6 W, Carbon           | 3198 | 011 | 01010 | 3529   | 47k, 5%.                          | 3198 | 021 | 54730 |
| 3241   | 22k, 5%.                             | 3198 | 021 | 52230 | 3530   | 4.7k, 5%.                         | 3198 | 021 | 54720 |
| 3242   | 27k, 5%.                             | 3198 | 021 | 52730 | 3531   | Jumper, 0.05 ohm                  | 3198 | 021 | 90020 |
| 3244   | 820 ohm, 5%, 1/6W, Carbon Film       | 3198 | 011 | 08210 | 3541   | 470 ohm, 5%                       | 3198 | 021 | 54710 |
| 3245   | 39k, 5%.                             | 3198 | 021 | 53930 | 3542   | 1.5k, 5%                          | 3198 | 021 | 51520 |
| 3246   | 10k, 5%.                             | 3198 | 021 | 51030 | 3543   | 82k, 1%, Metal Film               | 2322 | 156 | 28203 |
| 3247   | 220k, 5%.                            | 3198 | 021 | 52240 | 3544   | 6.8k, 1%, Metal Film              | 2322 | 156 | 26802 |
| 3248   | 27k, 5%.                             | 3198 | 021 | 52730 | 3545   | 82k, 5%.                          | 3198 | 021 | 58230 |
| 3249   | 820 ohm, 5%, 1/6W, Carbon Film       | 3198 | 011 | 08210 | 3546   | Jumper, 0.05 ohm                  | 3198 | 021 | 90020 |
| 3251   | 100 ohm, 5%, 1/6 W, Carbon           | 3198 | 011 | 01010 | S 3547 | Power Resistor, 0.33 ohm, 5%, 1 W | 3198 | 012 | 13370 |
| 3254   | 1 Meg, 5%.                           | 3198 | 021 | 51050 | 3548   | 8.2k, 5%.                         | 3198 | 021 | 58220 |
| 3256   | 1k, 5%.                              | 3198 | 021 | 51020 | 3549   | 220 ohm, 5%, 1/6 W, Carbon        | 3198 | 011 | 02210 |
| 3257   | 10 Meg, 5%                           | 3198 | 021 | 51060 | 3552   | 10k, 5%.                          | 3198 | 021 | 51030 |
| 3258   | 330k, 5%                             | 3198 | 021 | 53340 | 3559   | 1k, 5%.                           | 3198 | 021 | 51020 |
| 3259   | 470k, 5%.                            | 3198 | 021 | 54740 | 3561   | 100 ohm, 5%, 1/6 W, Carbon        | 3198 | 011 | 01010 |
| 3311   | 1.5k, 5%                             | 3198 | 021 | 51520 | 3562   | 10k, 5%.                          | 3198 | 021 | 51030 |
| 3312   | 330 ohm 5%.                          | 3198 | 021 | 53310 | 3563   | 4.7k, 5%.                         | 3198 | 021 | 54720 |
| 3313   | 10 ohm, 5%                           | 3198 | 021 | 51090 | S 3564 | Power Resistor, 4.7 ohm, 5%, 2 W  | 3198 | 012 | 24780 |
| S 3314 | 18k, 5%, 3W, Metal Film.             | 2322 | 195 | 63183 | S 3565 | Power Resistor, 330 ohm, 5%, 1 W  | 3198 | 012 | 13310 |
| S 3316 | 68 ohm, 5%, Fusible Resistor         | 2306 | 204 | 03689 | 3566   | 2.2k, 5%.                         | 3198 | 021 | 52220 |
| S 3317 | 1.5k, 20%, 1/2W, Carbon Composition. | 3198 | 013 | 01520 | 3569   | 5.6k, 5%                          | 3198 | 021 | 55620 |
| 3321   | 1.5k, 5%                             | 3198 | 021 | 51520 | 3580   | 47k, 5%.                          | 3198 | 021 | 54730 |
| 3322   | 330 ohm 5%.                          | 3198 | 021 | 53310 | 3603   | 100 ohm, 5%, 1/6 W, Carbon        | 3198 | 011 | 01010 |
| 3323   | 10 ohm, 5%                           | 3198 | 021 | 51090 | 3604   | 100 ohm, 5%, 1/6 W, Carbon        | 3198 | 011 | 01010 |
| S 3324 | 18k, 5%, 3W, Metal Film.             | 2322 | 195 | 63183 | 3605   | 4.7k, 5%.                         | 3198 | 021 | 54720 |
| S 3326 | 68 ohm, 5%, Fusible Resistor         | 2306 | 204 | 03689 | 3606   | 2.2k, 5%, 1/6 W, Carbon.          | 3198 | 011 | 02220 |
| S 3327 | 1.5k, 20%, 1/2W, Carbon Composition. | 3198 | 013 | 01520 | 3607   | 2.2k, 5%, 1/6 W, Carbon.          | 3198 | 011 | 02220 |
| 3331   | 1.5k, 5%                             | 3198 | 021 | 51520 | 3608   | 100 ohm, 5%, 1/6 W, Carbon        | 3198 | 011 | 01010 |
| 3332   | 330 ohm 5%.                          | 3198 | 021 | 53310 | 3611   | 100 ohm, 5%.                      | 3198 | 021 | 51010 |
| 3333   | 10 ohm, 5%                           | 3198 | 021 | 51090 | 3618   | 6.8k, 5%, 1/6 W, Carbon.          | 3198 | 011 | 06820 |
| S 3334 | 18k, 5%, 3W, Metal Film.             | 2322 | 195 | 63183 | 3622   | 100 ohm, 5%.                      | 3198 | 021 | 51010 |
| S 3336 | 68 ohm, 5%, Fusible Resistor         | 2306 | 204 | 03689 | 3623   | 4.7k, 5%.                         | 3198 | 021 | 54720 |
| S 3337 | 1.5k, 20%, 1/2W, Carbon Composition. | 3198 | 013 | 01520 | 3624   | 100 ohm, 5%, 1/6 W, Carbon        | 3198 | 011 | 01010 |
| S 3341 | 1.5k, 20%, 1/2W, Carbon Composition. | 3198 | 013 | 01520 | 3625   | 100 ohm, 5%, 1/6 W, Carbon        | 3198 | 011 | 01010 |
| S 3347 | 220 ohm, 5%, Fusible Resistor.       | 2306 | 204 | 03221 | 3626   | 4.7k, 5%.                         | 3198 | 021 | 54720 |
| S 3348 | 1.5k, 20%, 1/2W, Carbon Composition. | 3198 | 013 | 01520 | 3627   | 4.7k, 5%.                         | 3198 | 021 | 54720 |
| S 3349 | 1.2 ohm, 5%, Fusible Resistor.       | 2306 | 204 | 03128 | 3628   | 10k, 5%.                          | 3198 | 021 | 51030 |
| S 3350 | 1.2 ohm, 5%, Fusible Resistor.       | 2306 | 204 | 03128 | 3630   | 2.2k, 5%.                         | 3198 | 021 | 52220 |
| 3401   | 330k, 5%, 1/2W, Metalized Glass.     | 2322 | 242 | 13334 | 3632   | Jumper, 0.05 ohm                  | 3198 | 021 | 90020 |
| 3402   | 18k, 5%, 1/6W, Carbon.               | 3198 | 011 | 01830 | 3636   | 100 ohm, 5%.                      | 3198 | 021 | 51010 |
| S 3403 | Power Resistor, 22 ohm, 5%, 3 W.     | 3198 | 012 | 32290 | 3681   | 390 ohm, 5%.                      | 3198 | 021 | 53910 |
| S 3404 | Fusible Resistor, 6.8 ohm, 5%.       | 2306 | 204 | 03688 | 3682   | 3.3k, 5%.                         | 3198 | 021 | 53320 |
| 3406   | 10k, 5%, 1/6 W, Carbon               | 3198 | 011 | 01030 | 3683   | 390 ohm, 5%.                      | 3198 | 021 | 53910 |
| S 3407 | 220 ohm, 5%, 3W, Metal Film.         | 2322 | 195 | 63221 | 3684   | 560 ohm, 5%.                      | 3198 | 021 | 55610 |
| 3408   | 1k, 5%, 1/6 W, Carbon.               | 3198 | 011 | 01020 | 3685   | 560 ohm, 5%.                      | 3198 | 021 | 55610 |
| 3410   | 33k, 5%.                             | 3198 | 021 | 53330 | 3686   | 1.5k, 5%                          | 3198 | 021 | 51520 |
| S 3411 | Fusible Resistor, 10 ohm, 5%         | 2306 | 204 | 03109 | 3691   | 330 ohm 5%.                       | 3198 | 021 | 53310 |
| 3412   | 3.3k, 1%, Metal Film                 | 2322 | 156 | 23302 | 3693   | 220 ohm 5%.                       | 3198 | 021 | 52210 |
| 3413   | 10k, 5%.                             | 3198 | 021 | 51030 | 3694   | 4.7k, 5%.                         | 3198 | 021 | 54720 |
| 3414   | 1.5k, 1%, Metal Film                 | 2322 | 156 | 21502 | 3861   | 100k, 5%.                         | 3198 | 021 | 51040 |
| 3415   | 1k, 5%, 1/6 W, Carbon.               | 3198 | 011 | 01020 | 3862   | 15k, 5%.                          | 3198 | 021 | 51530 |
| S 3416 | 3.9 ohm, 5%, Fusible Resistor.       | 2306 | 207 | 03398 | 3863   | 1.2k, 5%                          | 3198 | 021 | 51220 |
| 3417   | 33k, 5%, 1/6W, Carbon.               | 3198 | 011 | 03330 | 3864   | 100 ohm, 5%.                      | 3198 | 021 | 51010 |
| 3418   | 33k, 5%.                             | 3198 | 021 | 53330 | 3865   | 100 ohm, 5%, 1/6 W, Carbon        | 3198 | 011 | 01010 |
| 3419   | 6.8k, 5%.                            | 3198 | 021 | 56820 | 3866   | 100 ohm, 5%, 1/6 W, Carbon        | 3198 | 011 | 01010 |
| 3420   | 33k, 5%.                             | 3198 | 021 | 53330 | 3867   | 3.3k, 5%.                         | 3198 | 021 | 53320 |
| S 3421 | Power Resistor, 6.8 ohm, 5%, 2 W     | 3198 | 012 | 26880 | 3901   | 1k, 5%.                           | 3198 | 021 | 51020 |
| 3422   | 100 ohm, 5%.                         | 3198 | 021 | 51010 | 3902   | 3.3k, 5%.                         | 3198 | 021 | 53320 |
| 3423   | 820 ohm, 5%.                         | 3198 | 021 | 58210 | 3903   | 15k, 5%.                          | 3198 | 021 | 51530 |
| 3424   | 100 ohm, 5%, 1/6 W, Carbon           | 3198 | 011 | 01010 | 3904   | 10k, 5%.                          | 3198 | 021 | 51030 |
| 3425   | 15k, 5%, 1/6 W, Carbon               | 3198 | 011 | 01530 | 3905   | 15k, 5%.                          | 3198 | 021 | 51530 |
| 3426   | Jumper, 0.05 ohm                     | 3198 | 021 | 90020 | 3906   | 10k, 5%.                          | 3198 | 021 | 51030 |
| 3427   | 12k, 5%, 1/6 W, Carbon               | 3198 | 011 | 01230 | 3907   | 8.2k, 5%.                         | 3198 | 021 | 58220 |
| S 3428 | 39 ohm, 5%, Fusible Resistor         | 2306 | 207 | 03399 | 3981   | 120 ohm, 5%, 1/6W, Carbon Film    | 3198 | 011 | 01210 |
| 3431   | Jumper, 0.05 ohm                     | 3198 | 021 | 90020 | 3982   | 120 ohm, 5%, 1/6W, Carbon Film    | 3198 | 011 | 01210 |
| 3432   | 22 ohm, 5%, 1/6W, Carbon             | 3198 | 011 | 02290 | 4001   | Jumper, 0.05 ohm                  | 3198 | 021 | 90020 |
| 3471   | 4.7 ohm, 1%, 0.6W, Metal Film.       | 2322 | 156 | 24708 | 4002   | Jumper, 0.05 ohm                  | 3198 | 021 | 90020 |

S = Safety Part Be sure to use exact replacement part.

# 19PS40C122 (continued)

|        |  |                |        |  |                |
|--------|--|----------------|--------|--|----------------|
| 4181   | Jumper, 0.05 ohm . . . . .                       | 3198 021 90020 | 6692   | IR Receiver, TSOP1836UH3VL . . . . .     | 9322 127 54667 |
| 4214   | Jumper, 0.05 ohm . . . . .                       | 3198 021 90020 | 6901   | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 |
| 4216   | Jumper, 0.05 ohm . . . . .                       | 3198 021 90020 | 7200   | IC, TDA9587H/N1/3/0483 . . . . .         | 9352 699 89557 |
| 4217   | Jumper, 0.05 ohm . . . . .                       | 3198 021 90020 | 7201   | Transistor, Signal, BC847B . . . . .     | 3198 010 42030 |
| 4410   | Jumper, 0.05 ohm . . . . .                       | 3198 021 90020 | 7204   | Transistor, Signal, BC857B . . . . .     | 3198 010 42150 |
| 4501   | Jumper, 0.05 ohm . . . . .                       | 3198 021 90020 | 7241   | Transistor, Signal, PDTA114ET. . . . .   | 3198 010 44010 |
| 4613   | Jumper, 0.05 ohm . . . . .                       | 3198 021 90020 | 7311   | Transistor, Signal, BF422. . . . .       | 3198 020 43010 |
| 4614   | Jumper, 0.05 ohm . . . . .                       | 3198 021 90020 | 7312   | Transistor, Signal, BF422. . . . .       | 3198 020 43010 |
| 4615   | Jumper, 0.05 ohm . . . . .                       | 3198 021 90020 | 7313   | Transistor, Signal BF423 . . . . .       | 3198 020 43020 |
| 4616   | Jumper, 0.05 ohm . . . . .                       | 3198 021 90020 | 7321   | Transistor, Signal, BF422. . . . .       | 3198 020 43010 |
| 4617   | Jumper, 0.05 ohm . . . . .                       | 3198 021 90020 | 7322   | Transistor, Signal, BF422. . . . .       | 3198 020 43010 |
| 4618   | Jumper, 0.05 ohm . . . . .                       | 3198 021 90020 | 7323   | Transistor, Signal BF423 . . . . .       | 3198 020 43020 |
| 4619   | Jumper, 0.05 ohm . . . . .                       | 3198 021 90020 | 7331   | Transistor, Signal, BF422. . . . .       | 3198 020 43010 |
| 4622   | Jumper, 0.05 ohm . . . . .                       | 3198 021 90020 | 7332   | Transistor, Signal, BF422. . . . .       | 3198 020 43010 |
| 4623   | Jumper, 0.05 ohm . . . . .                       | 3198 021 90020 | 7333   | Transistor, Signal BF423 . . . . .       | 3198 020 43020 |
| 4691   | Jumper, 0.05 ohm . . . . .                       | 3198 021 90020 | 7401   | Transistor, Signal, PDTA1143ZT. . . . .  | 9340 547 00215 |
| 4692   | Jumper, 0.05 ohm . . . . .                       | 3198 021 90020 | 7402   | Power Transistor, BUT11APX-1200. . . . . | 9340 563 21127 |
| 4693   | Jumper, 0.05 ohm . . . . .                       | 3198 021 90020 | 7403   | Transistor, Signal, BC337-25. . . . .    | 3198 020 43530 |
| 4901   | Jumper, 0.05 ohm . . . . .                       | 3198 021 90020 | 7404   | Transistor, Signal, BC636. . . . .       | 9332 219 50126 |
| 4903   | Jumper, 0.05 ohm . . . . .                       | 3198 021 90020 | 7405   | Transistor, Signal, BC857B . . . . .     | 3198 010 42150 |
| 4911   | Jumper, 0.05 ohm . . . . .                       | 3198 021 90020 | 7406   | Transistor, Signal, BC857B . . . . .     | 3198 010 42150 |
| 4982   | Jumper, 0.05 ohm . . . . .                       | 3198 021 90020 | S 7407 | Transistor, Power, BD135-16. . . . .     | 3198 020 41190 |
| 5001   | Fixed Inductor 5.6uH., 10% . . . . .             | 3198 018 25680 | S 7408 | Transistor, Power, BD135-16. . . . .     | 3198 020 41190 |
| 5002   | Fixed Inductor, 0.82uH., 10% . . . . .           | 3198 018 18270 | 7409   | Transistor, Signal, BC857B . . . . .     | 3198 010 42150 |
| 5201   | Fixed Inductor, 6.8uH., 5% . . . . .             | 3198 018 16880 | 7471   | IC, TDA9302H . . . . .                   | 9322 088 25682 |
| 5202   | Fixed Inductor, 10uH., 10% . . . . .             | 3198 018 21090 | S 7515 | Opto Coupler TCET1103. . . . .           | 9322 140 14667 |
| 5241   | Fixed Inductor, 10uH., 10% . . . . .             | 3198 018 21090 | 7520   | IC, TEA1507P/N1. . . . .                 | 9352 673 56112 |
| 5242   | Fixed Inductor, 10uH., 5% . . . . .              | 3198 018 11090 | 7521   | FET, Power, STP5NC50FP. . . . .          | 9322 160 71687 |
| 5341   | Inductor SPT0508 22uH., 5% . . . . .             | 2422 535 95365 | 7522   | Transistor, Signal, BC847B . . . . .     | 3198 010 42030 |
| 5342   | Fixed Inductor Bead, 100MHz, 50 ohm. . . . .     | 3198 018 90010 | 7540   | Transistor, Signal, BC547B . . . . .     | 3198 020 40030 |
| 5408   | Fixed Inductor, 27uH., 5%, SPT0508 . . . . .     | 2422 535 95366 | 7541   | Transistor, Signal, PDTA114ET. . . . .   | 9340 310 10215 |
| 5410   | Fixed Inductor, 27uH., 5%, SPT0508 . . . . .     | 2422 535 95366 | 7542   | Transistor, Signal, BC857B . . . . .     | 3198 010 42150 |
| 5444   | Transformer, Signal Driver, SC10009-03 . . . . . | 2422 531 02446 | 7560   | IC, LE33CZ . . . . .                     | 9322 106 11676 |
| S 5445 | Transformer, LOT, MSL0T4 . . . . .               | 3128 138 21541 | 7561   | Transistor, Signal, PDTA1143ZT. . . . .  | 9340 547 00215 |
| S 5502 | AC Filter, 5MHz., 1 Amp. . . . .                 | 2422 549 44284 | 7580   | Transistor, Signal, BC857B . . . . .     | 3198 010 42150 |
| 5520   | Transformer, SMT Layer, SS28011-04 . . . . .     | 2422 531 02458 | 7602   | IC, M24C16-WBN6. . . . .                 | 9322 147 25682 |
| 5521   | Fixed Inductor Bead, 100MHz, 50 ohm. . . . .     | 3198 018 90010 | 7861   | IC, TDA9853H/V1. . . . .                 | 9352 671 19557 |
| 5560   | Fixed Inductor Bead, 100MHz, 50 ohm. . . . .     | 3198 018 90010 | 7901   | IC, AN7522N. . . . .                     | 9322 158 65667 |
| 5561   | Fixed Inductor 27uH., 10%. . . . .               | 3198 018 22790 | 9001   | Jumper . . . . .                         | 3198 036 90010 |
| 5562   | Fixed Inductor Bead, 100MHz, 50 ohm. . . . .     | 3198 018 90010 | 9171   | Jumper . . . . .                         | 3198 036 90010 |
| 5563   | Fixed Inductor Bead, 100MHz, 50 ohm. . . . .     | 3198 018 90010 | 9172   | Jumper . . . . .                         | 3198 036 90010 |
| 5602   | Fixed Inductor, 5.6uH., 5% . . . . .             | 3198 018 15680 | 9173   | Jumper . . . . .                         | 3198 036 90010 |
| 5603   | Fixed Inductor, 5.6uH., 5% . . . . .             | 3198 018 15680 | 9174   | Jumper . . . . .                         | 3198 036 90010 |
| 5604   | Fixed Inductor, 5.6uH., 5% . . . . .             | 3198 018 15680 | 9175   | Jumper . . . . .                         | 3198 036 90010 |
| 5861   | Fixed Inductor, 10uH., 5%. . . . .               | 3198 018 11090 | 9177   | Jumper . . . . .                         | 3198 036 90010 |
| 6001   | Diode, Regulator, BZX79-C33, 33 Volt . . . . .   | 3198 010 23390 | 9181   | Jumper . . . . .                         | 3198 036 90010 |
| 6201   | Diode, Signal, BAS316. . . . .                   | 3198 010 10630 | 9182   | Jumper . . . . .                         | 3198 036 90010 |
| 6202   | Diode, Signal, BAS316. . . . .                   | 3198 010 10630 | 9183   | Jumper . . . . .                         | 3198 036 90010 |
| 6206   | Diode, Regulator, BZX384-C, 6.8 Volt . . . . .   | 3198 020 56880 | 9191   | Jumper . . . . .                         | 3198 036 90010 |
| 6241   | Diode, Regulator, BZX384-C, 6.8 Volt . . . . .   | 3198 020 56880 | 9192   | Jumper . . . . .                         | 3198 036 90010 |
| 6311   | Diode, Signal, BAV21 . . . . .                   | 3198 010 10070 | 9193   | Jumper . . . . .                         | 3198 036 90010 |
| 6321   | Diode, Signal, BAV21 . . . . .                   | 3198 010 10070 | 9301   | Jumper . . . . .                         | 3198 036 90010 |
| 6331   | Diode, Signal, BAV21 . . . . .                   | 3198 010 10070 | 9302   | Jumper . . . . .                         | 3198 036 90010 |
| 6341   | Diode, Signal, BAV21 . . . . .                   | 3198 010 10070 | 9303   | Jumper . . . . .                         | 3198 036 90010 |
| 6342   | Diode, Signal, 1SS135. . . . .                   | 9322 038 00673 | 9304   | Jumper . . . . .                         | 3198 036 90010 |
| 6343   | Diode, Regulator, BZX384-C, 8.2 Volt . . . . .   | 3198 020 58280 | 9402   | Jumper . . . . .                         | 3198 036 90010 |
| 6401   | Diode, Signal, BAV21 . . . . .                   | 3198 010 10070 | 9403   | Jumper . . . . .                         | 3198 036 90010 |
| 6402   | Diode, Rectifier, BYV27-200. . . . .             | 9322 126 72673 | 9404   | Jumper . . . . .                         | 3198 036 90010 |
| 6404   | Diode, Rectifier, BYD33M . . . . .               | 9337 410 30133 | 9420   | Jumper . . . . .                         | 3198 036 90010 |
| 6405   | Diode, Rectifier, BYD 33D. . . . .               | 9337 234 00133 | 9421   | Jumper . . . . .                         | 3198 036 90010 |
| 6406   | Diode, Signal, BAV70 . . . . .                   | 9331 849 10215 | 9425   | Jumper . . . . .                         | 3198 036 90010 |
| 6407   | Diode, Signal, BAS316. . . . .                   | 3198 010 10630 | 9426   | Jumper . . . . .                         | 3198 036 90010 |
| 6408   | Diode, Signal, BAS316. . . . .                   | 3198 010 10630 | 9427   | Jumper . . . . .                         | 3198 036 90010 |
| 6409   | Diode, Rectifier, BYD 33D. . . . .               | 9337 234 00133 | 9428   | Jumper . . . . .                         | 3198 036 90010 |
| 6410   | Diode, Rectifier, BYD 33D. . . . .               | 9337 234 00133 | 9430   | Jumper . . . . .                         | 3198 036 90010 |
| 6413   | Diode, Signal, 1N4148. . . . .                   | 3198 010 10010 | 9431   | Jumper . . . . .                         | 3198 036 90010 |
| 6414   | Diode, Regulator, BZX79-B6V2, 6.2 Volt . . . . . | 9331 668 30133 | 9432   | Jumper . . . . .                         | 3198 036 90010 |
| 6415   | Diode, Signal, BAS316. . . . .                   | 3198 010 10630 | 9433   | Jumper . . . . .                         | 3198 036 90010 |
| 6419   | Diode, Regulator, BZX79-C5V6, 5.6 Volt . . . . . | 9331 177 30133 | 9434   | Jumper . . . . .                         | 3198 036 90010 |
| 6420   | Diode, Regulator, BZX79-C9V1, 9.1 Volt . . . . . | 9331 177 80133 | 9471   | Jumper . . . . .                         | 3198 036 90010 |
| 6423   | Diode, Rectifier, BYD 33D. . . . .               | 9337 234 00133 | 9500   | Jumper . . . . .                         | 3198 036 90010 |
| 6471   | Diode, Rectifier, BYD 33D. . . . .               | 9337 234 00133 | 9501   | Jumper . . . . .                         | 3198 036 90010 |
| 6500   | Diode, Rectifier, 1N5062 . . . . .               | 3198 010 10120 | 9504   | Jumper . . . . .                         | 3198 036 90010 |
| 6501   | Diode, Rectifier, 1N5062 . . . . .               | 3198 010 10120 | 9506   | Jumper . . . . .                         | 3198 036 90010 |
| 6502   | Diode, Rectifier, 1N5062 . . . . .               | 3198 010 10120 | 9507   | Jumper . . . . .                         | 3198 036 90010 |
| 6503   | Diode, Rectifier, 1N5062 . . . . .               | 3198 010 10120 | 9508   | Jumper . . . . .                         | 3198 036 90010 |
| 6520   | Diode, Rectifier, BYD 33D. . . . .               | 9337 234 00133 | 9509   | Jumper . . . . .                         | 3198 036 90010 |
| 6523   | Diode, Signal, 1N4148. . . . .                   | 3198 010 10010 | 9510   | Jumper . . . . .                         | 3198 036 90010 |
| 6540   | Diode, Regulator, BZX79-B6V2, 6.2 Volt . . . . . | 9331 668 30133 | 9511   | Jumper . . . . .                         | 3198 036 90010 |
| 6541   | Diode, Regulator, BZX79-C10, 10 Volt . . . . .   | 3198 010 21090 | 9512   | Jumper . . . . .                         | 3198 036 90010 |
| 6560   | Diode, Rectifier, BYW76-RAS15/10. . . . .        | 9322 127 32682 | 9513   | Jumper . . . . .                         | 3198 036 90010 |
| 6561   | Diode, Rectifier, BYW76-RAS15/10. . . . .        | 9322 127 32682 | 9514   | Jumper . . . . .                         | 3198 036 90010 |
| 6562   | Diode, Rectifier, EGP20DL-5100 . . . . .         | 9322 164 42682 | 9517   | Jumper . . . . .                         | 3198 036 90010 |
| 6563   | Diode, Signal, BAS316. . . . .                   | 3198 010 10630 | 9520   | Jumper . . . . .                         | 3198 036 90010 |
| 6565   | Diode, Signal, BAV70 . . . . .                   | 9331 849 10215 | 9521   | Jumper . . . . .                         | 3198 036 90010 |
| 6566   | Diode, Signal, BAS316. . . . .                   | 3198 010 10630 | 9522   | Jumper . . . . .                         | 3198 036 90010 |
| 6569   | Diode, Signal, BAS316. . . . .                   | 3198 010 10630 | 9523   | Jumper . . . . .                         | 3198 036 90010 |
| 6570   | Diode, Regulator, BZX384-C, 6.8 Volt . . . . .   | 3198 020 56880 | 9524   | Jumper . . . . .                         | 3198 036 90010 |
| 6580   | Diode, Signal, BAS316. . . . .                   | 3198 010 10630 | 9610   | Jumper . . . . .                         | 3198 036 90010 |
| 6581   | Diode, Signal, BAS316. . . . .                   | 3198 010 10630 | 9611   | Jumper . . . . .                         | 3198 036 90010 |
| 6681   | Diode, Signal, BAT85 . . . . .                   | 9336 247 60133 | 9612   | Jumper . . . . .                         | 3198 036 90010 |
| 6691   | LED, VS LTL-10224WHCR . . . . .                  | 9322 050 99682 | 9613   | Jumper . . . . .                         | 3198 036 90010 |

S = Safety Part Be sure to use exact replacement part.

## 19PS40C122 (continued)

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| 9614 | Jumper | 3198 036 90010 |
| 9615 | Jumper | 3198 036 90010 |
| 9616 | Jumper | 3198 036 90010 |
| 9617 | Jumper | 3198 036 90010 |
| 9619 | Jumper | 3198 036 90010 |
| 9620 | Jumper | 3198 036 90010 |
| 9621 | Jumper | 3198 036 90010 |
| 9622 | Jumper | 3198 036 90010 |
| 9623 | Jumper | 3198 036 90010 |
| 9624 | Jumper | 3198 036 90010 |
| 9625 | Jumper | 3198 036 90010 |
| 9626 | Jumper | 3198 036 90010 |
| 9627 | Jumper | 3198 036 90010 |
| 9628 | Jumper | 3198 036 90010 |
| 9629 | Jumper | 3198 036 90010 |
| 9630 | Jumper | 3198 036 90010 |
| 9631 | Jumper | 3198 036 90010 |
| 9632 | Jumper | 3198 036 90010 |
| 9633 | Jumper | 3198 036 90010 |
| 9634 | Jumper | 3198 036 90010 |
| 9635 | Jumper | 3198 036 90010 |
| 9636 | Jumper | 3198 036 90010 |
| 9637 | Jumper | 3198 036 90010 |
| 9638 | Jumper | 3198 036 90010 |
| 9639 | Jumper | 3198 036 90010 |
| 9640 | Jumper | 3198 036 90010 |
| 9641 | Jumper | 3198 036 90010 |
| 9642 | Jumper | 3198 036 90010 |
| 9643 | Jumper | 3198 036 90010 |
| 9644 | Jumper | 3198 036 90010 |
| 9645 | Jumper | 3198 036 90010 |
| 9648 | Jumper | 3198 036 90010 |
| 9650 | Jumper | 3198 036 90010 |
| 9653 | Jumper | 3198 036 90010 |
| 9654 | Jumper | 3198 036 90010 |
| 9655 | Jumper | 3198 036 90010 |
| 9656 | Jumper | 3198 036 90010 |
| 9657 | Jumper | 3198 036 90010 |
| 9658 | Jumper | 3198 036 90010 |
| 9659 | Jumper | 3198 036 90010 |
| 9660 | Jumper | 3198 036 90010 |
| 9661 | Jumper | 3198 036 90010 |
| 9662 | Jumper | 3198 036 90010 |
| 9663 | Jumper | 3198 036 90010 |
| 9664 | Jumper | 3198 036 90010 |
| 9665 | Jumper | 3198 036 90010 |
| 9666 | Jumper | 3198 036 90010 |
| 9668 | Jumper | 3198 036 90010 |
| 9669 | Jumper | 3198 036 90010 |
| 9670 | Jumper | 3198 036 90010 |
| 9672 | Jumper | 3198 036 90010 |
| 9673 | Jumper | 3198 036 90010 |
| 9674 | Jumper | 3198 036 90010 |
| 9675 | Jumper | 3198 036 90010 |
| 9676 | Jumper | 3198 036 90010 |
| 9678 | Jumper | 3198 036 90010 |
| 9679 | Jumper | 3198 036 90010 |
| 9680 | Jumper | 3198 036 90010 |
| 9682 | Jumper | 3198 036 90010 |
| 9683 | Jumper | 3198 036 90010 |
| 9684 | Jumper | 3198 036 90010 |
| 9685 | Jumper | 3198 036 90010 |
| 9686 | Jumper | 3198 036 90010 |
| 9687 | Jumper | 3198 036 90010 |
| 9688 | Jumper | 3198 036 90010 |
| 9689 | Jumper | 3198 036 90010 |
| 9690 | Jumper | 3198 036 90010 |
| 9691 | Jumper | 3198 036 90010 |
| 9694 | Jumper | 3198 036 90010 |
| 9695 | Jumper | 3198 036 90010 |
| 9697 | Jumper | 3198 036 90010 |
| 9698 | Jumper | 3198 036 90010 |
| 9699 | Jumper | 3198 036 90010 |
| 9811 | Jumper | 3198 036 90010 |
| 9812 | Jumper | 3198 036 90010 |
| 9813 | Jumper | 3198 036 90010 |
| 9815 | Jumper | 3198 036 90010 |
| 9816 | Jumper | 3198 036 90010 |
| 9817 | Jumper | 3198 036 90010 |
| 9818 | Jumper | 3198 036 90010 |
| 9819 | Jumper | 3198 036 90010 |
| 9852 | Jumper | 3198 036 90010 |
| 9890 | Jumper | 3198 036 90010 |
| 9894 | Jumper | 3198 036 90010 |
| 9911 | Jumper | 3198 036 90010 |
| 9912 | Jumper | 3198 036 90010 |
| 9913 | Jumper | 3198 036 90010 |
| 9914 | Jumper | 3198 036 90010 |
| 9915 | Jumper | 3198 036 90010 |
| 9916 | Jumper | 3198 036 90010 |
| 9917 | Jumper | 3198 036 90010 |
| 9921 | Jumper | 3198 036 90010 |

|      |              |                |
|------|--------------|----------------|
| 9991 | Jumper       | 3198 036 90010 |
| 9993 | Jumper       | 3198 036 90010 |
| 9994 | Jumper       | 3198 036 90010 |
| 9996 | Jumper       | 3198 036 90010 |
| 9997 | Jumper       | 3198 036 90010 |
| 9998 | Jumper       | 3198 036 90010 |
| CBA  | Main Chassis | 3139 137 21011 |

### Model 19PS40C/122 Cabinet Parts

| Model 19PS40C/122 Cabinet Parts |   |                |  |
|---------------------------------|---|----------------|--|
| S AC01                          | AC Power Cord                                       | 3135 010 04771 |  |
| AC03                            | Cabinet, Back                                       | 3139 124 36351 |  |
| AC04                            | Cabinet, Front                                      | 3139 137 78131 |  |
| AC05                            | Chassis Guide                                       | 3139 124 37561 |  |
| AC06                            | Control Knobs                                       | 3139 124 36341 |  |
| S AC08                          | CRT, A48JLL40X46(M)                                 | 9322 131 82682 |  |
| S AC09                          | Degaussing Coil, 19"                                | 2422 549 44428 |  |
| AC10                            | Degaussing Coil Holder                              | 3135 013 01641 |  |
| AC11                            | Light Guide   | 3139 124 36271 |  |
| AC12                            | Nameplate   | 3139 120 01281 |  |
| AC13                            | Owner's Manual                                      | 3121 235 20061 |  |
| AC14                            | Mains Knob  | 3139 124 34271 |  |
| AC16                            | Speaker, 16 ohm, 8W, YD77-16SX11                    | 2422 264 00407 |  |
| S AC18                          | ITC = Integrated Tube Component, CRT & Yoke Pre-Set | 0000 000 00ITC |  |
| AC21                            | Battery, Zinc, 1.5V, 2-Pk.                          | 9299 000 65263 |  |
| AC24                            | Spring, Braid Tension                               | 3139 121 26231 |  |
| AC32                            | Assembly Braid, 19"                                 | 3135 010 07321 |  |
| AC38                            | Speaker Clip  | 3139 124 32931 |  |
| REMOTE                          | Remote Transmitter                                  | 3139 228 86462 |  |

# 19PS40C125 - Manual no. 7602

## Main Chassis

|              |  |                |      |  |      |     |       |
|--------------|--|----------------|------|--|------|-----|-------|
| Main Chassis |  |                | 2422 | 470uF., 20%, 16V, Electrolytic . . . .   | 2020 | 021 | 91577 |
| Main Chassis |  |                | 2423 | 10uF., 20%, 100V, Electrolytic . . . .   | 2020 | 021 | 90813 |
| 0127         | 2 Pin Fuse Socket. . . . .               | 3122 358 71251 | 2471 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 0138         | IC-SPRING FOR ITEM 7471 (IC TDA9302H)..  | 3104 301 22081 | 2472 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 0139         | IC-SPRING 7402 . . . . .                 | 3139 121 24581 | 2473 | 100uF., 20%, 50V, Electrolytic . . . .   | 2020 | 021 | 90587 |
| 0211         | 2 Pin Connector (AC Input Plug).. . . .  | 2422 025 16269 | 2475 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 0212         | 2 Pin Connector (Degaussing Plug (RED))  | 2422 025 16375 | 2476 | 0.22uF., 10%, 50V, Metalized Polyester   | 3198 | 014 | 02240 |
| 0217         | 3 Pin Connector. . . . .                 | 2412 020 00725 | 2477 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 0218         | 3 Pin Connector. . . . .                 | 2422 026 04742 | 2500 | 0.47uF., 20%, 275V, Metalized Polypropyl | 2022 | 330 | 00018 |
| 0220         | 3 Pin Connector. . . . .                 | 2422 025 04851 |      | ene. . . . .                             |      |     |       |
| 0221         | 6 Pin Connector. . . . .                 | 2422 025 15503 | 2501 | 2200pF., 1kV, Ceramic . . . . .          | 3198 | 019 | 52220 |
| 0222         | 2 Pin Connector. . . . .                 | 2422 025 10646 | 2502 | 2200pF., 1kV, Ceramic . . . . .          | 3198 | 019 | 52220 |
| 0232         | Headphone Jack . . . . .                 | 2422 026 04747 | 2503 | 220uF., 20%, 200V, Electrolytic . . . .  | 2020 | 024 | 90557 |
| 0243         | 6 Pin Connector. . . . .                 | 2422 025 04854 | 2504 | 2200pF., 1kV, Ceramic . . . . .          | 3198 | 019 | 52220 |
| 0244         | 3 Pin Connector. . . . .                 | 2422 025 04851 | 2506 | 2200pF., 1kV, Ceramic . . . . .          | 3198 | 019 | 52220 |
| 0245         | 6 Pin Connector. . . . .                 | 2422 025 04854 | 2508 | 470pF., 1kV, 10%, Ceramic. . . . .       | 3198 | 019 | 64710 |
| 0246         | 5 Pin Connector. . . . .                 | 2422 025 12481 | 2515 | 1500pF., 250V, 20%, Ceramic. . . . .     | 2020 | 554 | 90172 |
| 0254         | 9 Pin CRT Socket (N-NECK). . . . .       | 2422 500 80067 | 2520 | 0.1uF., 16V, Ceramic . . . . .           | 3198 | 017 | 01040 |
| 1000         | Tuner V+U PLL F ENV56D98G3 . . . . .     | 2422 542 90108 | 2521 | 22uF., 20%, 50V, Electrolytic. . . . .   | 3198 | 025 | 52290 |
| 1002         | 45.75 MHz Saw Filter F072TPL-A . . . .   | 2422 549 44327 | 2522 | 0.1uF., 16V, Ceramic . . . . .           | 3198 | 017 | 01040 |
| 1200         | 4.5MHz Ceramic Filter, TPS*MB. . . . .   | 2422 549 40807 | 2523 | 1500pF., 2kV, 10%, Ceramic . . . . .     | 2020 | 558 | 90489 |
| 1500         | 5 Amp, 250V, Fuse (5X20) . . . . .       | 2422 086 10905 | 2525 | 470pF., 50V, Ceramic. . . . .            | 3198 | 017 | 04710 |
| 1515         | 5 Amp, 12V, 1 Pin Relay, G5PA-1. . . . . | 2422 132 07444 | 2526 | 0.001uF., 50V, Ceramic . . . . .         | 3198 | 017 | 01020 |
| 1600         | Tact Switch. . . . .                     | 2422 128 02742 | 2527 | 470pF., 50V, Ceramic. . . . .            | 3198 | 017 | 04710 |
| 1601         | Tact Switch. . . . .                     | 2422 128 02742 | 2540 | 0.015uF., 50V, Ceramic . . . . .         | 3198 | 017 | 01530 |
| 1602         | Tact Switch. . . . .                     | 2422 128 02742 | 2560 | 1000pF., 1kV, 10%, Ceramic . . . . .     | 3198 | 019 | 61020 |
| 1603         | Tact Switch. . . . .                     | 2422 128 02742 | 2561 | 47uF., 20%, 160V, Electrolytic . . . .   | 2020 | 021 | 91358 |
| 1606         | Tact Switch. . . . .                     | 2422 128 02742 | 2562 | 1000pF., 50V, Ceramic . . . . .          | 3198 | 019 | 11020 |
| 1660         | 12MHz, Crystal Resonator, HC49/U A . .   | 2422 543 01203 | 2563 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 1861         | 514.5KHz Ceramic Resonator CSB503F58 .   | 2422 540 98344 | 2564 | 2200uF., 20%, 16V, Electrolytic. . . .   | 2020 | 012 | 93057 |
| 2004         | 0.047uF., 25V, Ceramic . . . . .         | 3198 023 04730 | 2565 | 470pF., 1kV, 10%, Ceramic. . . . .       | 3198 | 019 | 64710 |
| 2005         | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 025 51090 | 2567 | 47uF., 20%, 25V, Electrolytic. . . . .   | 3198 | 025 | 34790 |
| 2006         | 470uF., 20%, 16V, Electrolytic . . . .   | 3198 025 24710 | 2568 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 51080 |
| 2007         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2569 | 470pF., 50V, Ceramic. . . . .            | 3198 | 017 | 04710 |
| 2008         | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 025 31010 | 2580 | 47uF., 20%, 25V, Electrolytic. . . . .   | 3198 | 025 | 34790 |
| 2009         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2601 | 0.22uF., 25V, Ceramic. . . . .           | 3198 | 023 | 22240 |
| 2181         | 22pF., 50V, Ceramic. . . . .             | 3198 016 02290 | 2602 | 100pF., 50V, Ceramic . . . . .           | 3198 | 016 | 01010 |
| 2182         | 330pF., 50V, Ceramic . . . . .           | 3198 016 03310 | 2606 | 1000pF., 50V, Ceramic. . . . .           | 3198 | 016 | 01020 |
| 2183         | 330pF., 50V, Ceramic . . . . .           | 3198 016 03310 | 2607 | 33pF., 50V, Ceramic. . . . .             | 3198 | 016 | 03390 |
| 2184         | 2.2uF., 10V, Ceramic . . . . .           | 3198 017 22250 | 2608 | 0.1uF., 25V, Ceramic. . . . .            | 3198 | 023 | 21040 |
| 2202         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2609 | 33pF., 50V, Ceramic. . . . .             | 3198 | 016 | 03390 |
| 2203         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2611 | 0.1uF., 25V, Ceramic. . . . .            | 3198 | 023 | 21040 |
| 2204         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2612 | 22pF., 50V, Ceramic. . . . .             | 3198 | 016 | 02290 |
| 2205         | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 | 2613 | 22pF., 50V, Ceramic. . . . .             | 3198 | 016 | 02290 |
| 2208         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2615 | 1000pF., 50V, Ceramic. . . . .           | 3198 | 016 | 01020 |
| 2209         | 4.7uF., 20%, 50V, Electrolytic . . . .   | 3198 025 54780 | 2618 | 0.01uF., 50V, Ceramic. . . . .           | 3198 | 017 | 01030 |
| 2210         | 0.47uF., 20%, 50V, Electrolytic. . . .   | 3198 025 54770 | 2619 | 1uF., 16V, Ceramic. . . . .              | 3198 | 017 | 21050 |
| 2211         | 0.47uF., 16V, Ceramic . . . . .          | 3198 017 24740 | 2691 | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 | 025 | 31010 |
| 2216         | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 025 31010 | 2861 | 0.22uF., 25V, Ceramic. . . . .           | 3198 | 023 | 22240 |
| 2217         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2862 | 2.2uF., 10V, Ceramic . . . . .           | 3198 | 017 | 22250 |
| 2219         | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 | 2864 | 2.2uF., 20%, 50V, Electrolytic . . . .   | 3198 | 025 | 52280 |
| 2226         | 100pF., 50V, Ceramic . . . . .           | 3198 016 01010 | 2865 | 2.2uF., 20%, 50V, Electrolytic . . . .   | 3198 | 025 | 52280 |
| 2227         | 4700pF., 50V, Ceramic . . . . .          | 3198 017 04720 | 2866 | 2.2uF., 10V, Ceramic . . . . .           | 3198 | 017 | 22250 |
| 2228         | 820pF., 50V, Ceramic . . . . .           | 3198 016 08210 | 2867 | 3300pF., 50V, Ceramic. . . . .           | 3198 | 017 | 03320 |
| 2229         | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 025 51090 | 2868 | 150pF., 50V, Ceramic . . . . .           | 3198 | 016 | 01510 |
| 2233         | 820pF., 50V, Ceramic . . . . .           | 3198 016 08210 | 2869 | 0.0047uF., 10%, 50V, Metalized Polyeste  | 3198 | 014 | 04730 |
| 2241         | 4700pF., 50V, Ceramic. . . . .           | 3198 017 04720 | 2870 | 0.047uF., 10%, 50V, Metalized Polyester  | 3198 | 014 | 04730 |
| 2242         | 1uF., 16V, Ceramic. . . . .              | 3198 017 21050 | 2871 | 150pF., 50V, Ceramic . . . . .           | 3198 | 019 | 11510 |
| 2243         | 2200pF., 50V, Ceramic. . . . .           | 3198 017 02220 | 2872 | 0.0033uF., 10%, 50V, Metalized Polyeste  | 3198 | 014 | 03320 |
| 2244         | 0.1uF., 10%, 63V, Metalized Polyester.   | 2222 370 75104 | 2873 | 2.2uF., 10V, Ceramic . . . . .           | 3198 | 017 | 22250 |
| 2245         | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 | 2874 | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 | 025 | 31010 |
| 2247         | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 025 31010 | 2875 | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 | 025 | 31010 |
| 2248         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2876 | 4.7uF., 20%, 50V, Electrolytic . . . .   | 3198 | 025 | 54780 |
| 2249         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2877 | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 | 025 | 51090 |
| 2250         | 2.2uF., 20%, 50V, Electrolytic . . . .   | 3198 025 52280 | 2878 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 51080 |
| 2252         | 1000pF., 50V, Ceramic. . . . .           | 3198 016 01020 | 2879 | 4700pF., 50V, Ceramic. . . . .           | 3198 | 017 | 04720 |
| 2253         | 1000pF., 50V, Ceramic. . . . .           | 3198 016 01020 | 2880 | 0.022uF., 50V, Ceramic . . . . .         | 3198 | 017 | 02230 |
| 2254         | 100pF., 50V, Ceramic . . . . .           | 3198 016 01010 | 2883 | 470uF., 20%, 16V, Electrolytic . . . .   | 3198 | 025 | 24710 |
| 2313         | 220pF., 50V, Ceramic . . . . .           | 3198 016 02210 | 2884 | 2.2uF., 20%, 50V, Electrolytic . . . .   | 3198 | 025 | 52280 |
| 2323         | 390pF., 50V, Ceramic . . . . .           | 3198 016 03910 | 2885 | 0.22uF., 10%, 50V, Metalized Polyester   | 3198 | 014 | 02240 |
| 2331         | 390pF., 50V, Ceramic . . . . .           | 3198 016 03910 | 2886 | 0.22uF., 25V, Ceramic. . . . .           | 3198 | 023 | 22240 |
| 2341         | 2200pF., 1kV, 10%, Ceramic . . . . .     | 2020 558 90571 | 2891 | 2.2uF., 10V, Ceramic . . . . .           | 3198 | 017 | 22250 |
| 2342         | 0.047uF., 10%, 250V Metalized Polyester  | 2222 365 45473 | 2902 | 220uF., 20%, 50V, Electrolytic . . . .   | 3198 | 026 | 52210 |
| 2343         | 0.047uF., 10%, 250V Metalized Polyester  | 2222 365 45473 | 2903 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 51080 |
| 2401         | 680pF., 50V, Ceramic. . . . .            | 3198 019 16810 | 2904 | 0.47uF., 16V, Ceramic . . . . .          | 3198 | 017 | 24740 |
| 2402         | 0.68uF., 5%, 250V, Metalized Polypropyl  | 2222 479 90027 | 2905 | 1000pF., 50V, Ceramic. . . . .           | 3198 | 016 | 01020 |
|              | ene. . . . .                             |                | 2906 | 0.47uF., 16V, Ceramic . . . . .          | 3198 | 017 | 24740 |
| 2406         | 330pF., 50V, Ceramic . . . . .           | 3198 016 03310 | 2907 | 1000pF., 50V, Ceramic . . . . .          | 3198 | 016 | 01020 |
| 2407         | 0.011uF., 5%, 1.6kV, Metalized Polyprop  | 2222 375 90155 | 2908 | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 | 025 | 51090 |
|              | ylene. . . . .                           |                | 2981 | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 | 025 | 31010 |
| 2408         | 0.022uF., 50V, Ceramic . . . . .         | 3198 019 22230 | 2982 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 2409         | 47uF., 20%, 160V, Electrolytic . . . .   | 2020 021 91139 | 2983 | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 | 025 | 31010 |
| 2410         | 470uF., 20%, 16V, Electrolytic . . . .   | 2020 021 91577 | 2984 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 2411         | 47uF., 20%, 25V, Electrolytic. . . . .   | 2020 021 90586 | 3000 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2412         | 0.033uF., 10%, 100V, Metalized Polyester | 2222 347 90236 | 3001 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2413         | 10uF., 20%, 250V, Electrolytic . . . .   | 2020 012 93495 | 3002 | Zero ohm "Chip" Jumper . . . . .         | 3198 | 021 | 90020 |
| 2414         | 1000uF., 20%, 16V, Electrolytic. . . .   | 2020 021 91049 | 3003 | 1.5k, 5% . . . . .                       | 3198 | 021 | 51520 |
| 2417         | 1000uF., 20%, 16V, Electrolytic. . . .   | 2020 021 91049 | 3004 | 8.2k, 5% . . . . .                       | 3198 | 021 | 58220 |
| 2418         | 0.01uF., 50V, Ceramic . . . . .          | 3198 017 01030 | 3005 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2419         | 1uF., 20%, 50V, Electrolytic . . . . .   | 2020 021 91147 | 3181 | 75 ohm, 5%, 1/6W Carbon. . . . .         | 3198 | 011 | 07590 |
| 2420         | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 025 51080 | 3182 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2421         | 0.047uF., 50V, Ceramic . . . . .         | 3198 017 24730 | 3183 | 150 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01510 |

S = Safety Part Be sure to use exact replacement part.

# 19PS40C125 (continued)

|      |  |                |      |  |                |
|------|--|----------------|------|--|----------------|
| 3184 | 47k, 5% . . . . .                            | 3198 021 54730 | 3478 | 220 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02210 |
| 3185 | 150 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 01510 | 3479 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 |
| 3186 | 47k, 5% . . . . .                            | 3198 021 54730 | 3500 | Jumper Wire. . . . .   | 0322 179 00003 |
| 3200 | 390 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 03910 | 3501 | 3.3Meg, 5% . . . . .   | 2322 242 13335 |
| 3201 | 100 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 01010 | 3502 | 4.7 ohm, 20%, 3.1W, Negative Temperature<br>Coefficient. . . . . | 2122 612 00055 |
| 3202 | 100 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 01010 | 3503 | 10 ohm, 30%, 120V, Positive Temperature<br>Coefficient. . . . .  | 2120 661 00026 |
| 3203 | 100 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 01010 | 3506 | Jumper Wire. . . . .   | 0322 179 00003 |
| 3204 | 10k, 5%, 1/6W Carbon . . . . .               | 3198 011 01030 | 3507 | Surge Protector DSP-301N-A21F. . . . .                           | 2422 549 43073 |
| 3206 | 100k, 5% . . . . .                           | 3198 021 51040 | 3508 | 1.5Meg, 5% . . . . .   | 2322 242 13155 |
| 3207 | 1k, 5%, 1/6W Carbon. . . . .                 | 3198 011 01020 | 3519 | 270 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02710 |
| 3208 | 220 ohm, 5% . . . . .                        | 3198 021 52210 | 3520 | 1.2k, 5% . . . . .   | 3198 021 51220 |
| 3209 | 68 ohm, 5% . . . . .                         | 3198 021 56890 | 3521 | 4.7 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 04780 |
| 3212 | 470 ohm, 5% . . . . .                        | 3198 021 54710 | 3522 | 330k, 5% . . . . .   | 3198 021 53340 |
| 3213 | 560 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 05610 | 3523 | 100 ohm, 5%, Fusible Resistor NFR25 . . . . .                    | 2306 204 03101 |
| 3217 | 330k, 5% . . . . .                           | 3198 021 53340 | 3524 | 56k, 5% . . . . .  | 3198 021 55630 |
| 3218 | 82k, 5% . . . . .                            | 3198 021 58230 | 3525 | 1k, 5% . . . . .   | 3198 021 51020 |
| 3219 | 2.2k, 5% . . . . .                           | 3198 021 52220 | 3526 | 0.15 ohm, 5%, 1W, Power Resistor . . . . .                       | 3198 012 11570 |
| 3226 | 560 ohm, 5% . . . . .                        | 3198 021 55610 | 3527 | 2.2k ohm, 5%, Fusible Resistor NFR25 . . . . .                   | 2306 204 03222 |
| 3232 | 2.2k, 5% . . . . .                           | 3198 021 52220 | 3528 | 10k, 5% . . . . .  | 3198 021 51030 |
| 3235 | 100 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 01010 | 3529 | 47k, 5% . . . . .  | 3198 021 54730 |
| 3241 | 22k, 5% . . . . .                            | 3198 021 52230 | 3530 | 4.7k, 5% . . . . .   | 3198 021 54720 |
| 3242 | 27k, 5% . . . . .                            | 3198 021 52730 | 3531 | Zero ohm "Chip" Jumper . . . . .                                 | 3198 021 90020 |
| 3244 | 820 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 08210 | 3541 | 470 ohm, 5% . . . . .  | 3198 021 54710 |
| 3245 | 39k, 5% . . . . .                            | 3198 021 53930 | 3542 | 1.5k, 5% . . . . .   | 3198 021 51520 |
| 3246 | 10k, 5% . . . . .                            | 3198 021 51030 | 3543 | 82k, 1%, Metal Film. . . . .                                     | 2322 156 28203 |
| 3247 | 220k, 5% . . . . .                           | 3198 021 52240 | 3544 | 6.8k, 1%, Metal Film . . . . .                                   | 2322 156 26802 |
| 3248 | 27k, 5% . . . . .                            | 3198 021 52730 | 3545 | 82k, 5% . . . . .  | 3198 021 58230 |
| 3249 | 820 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 08210 | 3546 | Zero ohm "Chip" Jumper . . . . .                                 | 3198 021 90020 |
| 3251 | 100 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 01010 | 3547 | 0.33 ohm, 5%, 1W, Power Resistor . . . . .                       | 3198 012 13370 |
| 3254 | 1M, 5% . . . . .                             | 3198 021 51050 | 3548 | 8.2k, 5% . . . . .   | 3198 021 58220 |
| 3256 | 1k, 5% . . . . .                             | 3198 021 51020 | 3549 | 470 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 04710 |
| 3257 | 10Meg, 5% . . . . .                          | 3198 021 51060 | 3552 | 10k, 5% . . . . .  | 3198 021 51030 |
| 3258 | 330k, 5% . . . . .                           | 3198 021 53340 | 3559 | 1k, 5% . . . . .   | 3198 021 51020 |
| 3259 | 470k, 5% . . . . .                           | 3198 021 54740 | 3561 | 220 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02210 |
| 3311 | 3.9k, 5% . . . . .                           | 3198 021 53920 | 3562 | 10k, 5% . . . . .  | 3198 021 51030 |
| 3312 | 330 ohm, 5% . . . . .                        | 3198 021 53310 | 3563 | 4.7k, 5% . . . . .   | 3198 021 54720 |
| 3313 | 10 ohm, 5% . . . . .                         | 3198 021 51090 | 3564 | 4.7 ohm, 5%, 2W, Power Resistor. . . . .                         | 3198 012 24780 |
| 3314 | 18k, 5%, Metal Film. . . . .                 | 2322 195 63183 | 3565 | 330 ohm, 5%, 1W, Power Resistor. . . . .                         | 3198 012 13310 |
| 3316 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . . | 2306 204 03689 | 3566 | 2.2k, 5% . . . . .   | 3198 021 52220 |
| 3317 | 1.5k, 20%, 1/2W Carbon . . . . .             | 3198 013 01520 | 3569 | 5.6k, 5% . . . . .   | 3198 021 55620 |
| 3321 | 3.9k, 5% . . . . .                           | 3198 021 53920 | 3580 | 47k, 5% . . . . .  | 3198 021 54730 |
| 3322 | 330 ohm, 5% . . . . .                        | 3198 021 53310 | 3603 | 100 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01010 |
| 3323 | 10 ohm, 5% . . . . .                         | 3198 021 51090 | 3604 | 100 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01010 |
| 3324 | 18k, 5%, Metal Film. . . . .                 | 2322 195 63183 | 3605 | 4.7k, 5% . . . . .   | 3198 021 54720 |
| 3326 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . . | 2306 204 03689 | 3606 | 2.2k, 5%, 1/6W Carbon. . . . .                                   | 3198 011 02220 |
| 3327 | 1.5k, 20%, 1/2W Carbon . . . . .             | 3198 013 01520 | 3607 | 2.2k, 5%, 1/6W Carbon. . . . .                                   | 3198 011 02220 |
| 3331 | 3.9k, 5% . . . . .                           | 3198 021 53920 | 3608 | 100 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01010 |
| 3332 | 330 ohm, 5% . . . . .                        | 3198 021 53310 | 3611 | 100 ohm, 5% . . . . .  | 3198 021 51010 |
| 3333 | 10 ohm, 5% . . . . .                         | 3198 021 51090 | 3618 | 6.8k, 5%, 1/6W Carbon. . . . .                                   | 3198 011 06820 |
| 3334 | 18k, 5%, Metal Film. . . . .                 | 2322 195 63183 | 3622 | 100 ohm, 5% . . . . .  | 3198 021 51010 |
| 3336 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . . | 2306 204 03689 | 3623 | 4.7k, 5% . . . . .   | 3198 021 54720 |
| 3337 | 1.5k, 20%, 1/2W Carbon . . . . .             | 3198 013 01520 | 3624 | 100 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01010 |
| 3341 | 1.5k, 20%, 1/2W Carbon . . . . .             | 3198 013 01520 | 3625 | 100 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01010 |
| 3347 | 220 ohm, 5% Fusible Resistor NFR25 . . . . . | 2306 204 03221 | 3626 | 4.7k, 5% . . . . .   | 3198 021 54720 |
| 3348 | 1.5k, 20%, 1/2W Carbon . . . . .             | 3198 013 01520 | 3627 | 4.7k, 5% . . . . .   | 3198 021 54720 |
| 3349 | 1 ohm, 5%, Fusible Resistor NFR25. . . . .   | 2306 204 03108 | 3628 | 10k, 5% . . . . .  | 3198 021 51030 |
| 3350 | 1 ohm, 5%, Fusible Resistor NFR25. . . . .   | 2306 204 03108 | 3630 | 2.2k, 5% . . . . .   | 3198 021 52220 |
| 3401 | 330k, 5% . . . . .                           | 2322 242 13334 | 3632 | Zero ohm "Chip" Jumper . . . . .                                 | 3198 021 90020 |
| 3402 | 18k, 5%, 1/6W Carbon . . . . .               | 3198 011 01830 | 3636 | 100 ohm, 5% . . . . .  | 3198 021 51010 |
| 3403 | 22 ohm, 5%, 3W, Power Resistor . . . . .     | 3198 012 32290 | 3681 | 390 ohm, 5% . . . . .  | 3198 021 53910 |
| 3404 | 6.8 ohm, 5%, Fusible Resistor NFR25. . . . . | 2306 204 03688 | 3682 | 3.3k, 5% . . . . .   | 3198 021 53320 |
| 3406 | 10k, 5%, 1/6W Carbon . . . . .               | 3198 011 01030 | 3683 | 390 ohm, 5% . . . . .  | 3198 021 53910 |
| 3407 | 220 ohm, 5%, 3W, Power Resistor. . . . .     | 3198 012 32210 | 3684 | 560 ohm, 5% . . . . .  | 3198 021 55610 |
| 3408 | 1k, 5%, 1/6W Carbon. . . . .                 | 3198 011 01020 | 3685 | 560 ohm, 5% . . . . .  | 3198 021 55610 |
| 3410 | 33k, 5% . . . . .                            | 3198 021 53330 | 3686 | 1.5k, 5% . . . . .   | 3198 021 51520 |
| 3411 | 10 ohm, 5% Fusible Resistor NFR25. . . . .   | 2306 204 03109 | 3691 | 330 ohm, 5% . . . . .  | 3198 021 53310 |
| 3412 | 3.3k, 1%, Metal Film . . . . .               | 2322 156 23302 | 3693 | 220 ohm, 5% . . . . .  | 3198 021 52210 |
| 3413 | 10k, 5% . . . . .                            | 3198 021 51030 | 3694 | 4.7k, 5% . . . . .   | 3198 021 54720 |
| 3414 | 1.5k, 1%, Metal Film . . . . .               | 2322 156 21502 | 3861 | 100k, 5% . . . . .   | 3198 021 51040 |
| 3415 | 1k, 5%, 1/6W Carbon. . . . .                 | 3198 011 01020 | 3862 | 15k, 5% . . . . .  | 3198 021 51530 |
| 3416 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . . | 2306 204 03689 | 3863 | 1.2k, 5% . . . . .   | 3198 021 51220 |
| 3417 | 33k, 5%, 1/6W Carbon . . . . .               | 3198 011 03330 | 3864 | 100 ohm, 5% . . . . .  | 3198 021 51010 |
| 3418 | 33k, 5% . . . . .                            | 3198 021 53330 | 3865 | 100 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01010 |
| 3419 | 6.8k, 5% . . . . .                           | 3198 021 56820 | 3866 | 100 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01010 |
| 3420 | 33k, 5% . . . . .                            | 3198 021 53330 | 3867 | 3.3k, 5% . . . . .   | 3198 021 53320 |
| 3421 | 6.8 ohm, 5%, 2W, Power Resistor. . . . .     | 3198 012 26880 | 3901 | 1k, 5% . . . . .   | 3198 021 51020 |
| 3422 | 100 ohm, 5% . . . . .                        | 3198 021 51010 | 3902 | 3.3k, 5% . . . . .   | 3198 021 53320 |
| 3423 | 820 ohm, 5% . . . . .                        | 3198 021 58210 | 3903 | 15k, 5% . . . . .  | 3198 021 51530 |
| 3424 | 100 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 01010 | 3904 | 10k, 5% . . . . .  | 3198 021 51030 |
| 3425 | 12k, 5%, 1/6W Carbon . . . . .               | 3198 011 01230 | 3905 | 15k, 5% . . . . .  | 3198 021 51530 |
| 3426 | 1M, 5% . . . . .                             | 3198 021 51050 | 3906 | 10k, 5% . . . . .  | 3198 021 51030 |
| 3427 | 12k, 5%, 1/6W Carbon . . . . .               | 3198 011 01230 | 3907 | 5.6k, 5% . . . . .   | 3198 021 55620 |
| 3428 | 39 ohm, 5% Fusible Resistor NFR25H . . . . . | 2306 207 03399 | 3981 | 120 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01210 |
| 3431 | 2.2k, 5% . . . . .                           | 3198 021 52220 | 3982 | 120 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01210 |
| 3432 | 22 ohm, 5%, 1/6W Carbon. . . . .             | 3198 011 02290 | 4001 | Zero ohm "Chip" Jumper . . . . .                                 | 3198 021 90020 |
| 3471 | 3.9 ohm, 1%, Metal Film. . . . .             | 2322 156 23908 | 4002 | Zero ohm "Chip" Jumper . . . . .                                 | 3198 021 90020 |
| 3472 | 3.9 ohm, 1%, Metal Film. . . . .             | 2322 156 23908 | 4181 | Zero ohm "Chip" Jumper . . . . .                                 | 3198 021 90020 |
| 3473 | 2.2k, 1%, Metal Film . . . . .               | 2322 156 22202 | 4214 | Zero ohm "Chip" Jumper . . . . .                                 | 3198 021 90020 |
| 3474 | 1k, 5%, 1/6W Carbon. . . . .                 | 3198 011 01020 | 4216 | Zero ohm "Chip" Jumper . . . . .                                 | 3198 021 90020 |
| 3475 | 2.2k, 1%, Metal Film . . . . .               | 2322 156 22202 | 4217 | Zero ohm "Chip" Jumper . . . . .                                 | 3198 021 90020 |
| 3476 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . . | 2306 204 03158 |      |  |                |
| 3477 | 220 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 02210 |      |  |                |

## 19PS40C125 (continued)

|      |  |                |      |                                |                |
|------|--|----------------|------|--------------------------------|----------------|
| 4410 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7200 | IC, 3U51 Software Cluster      | 9352 699 89557 |
| 4501 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7201 | Transistor BC847B              | 3198 010 42030 |
| 4601 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7204 | Transistor BC857B              | 3198 010 42150 |
| 4613 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7241 | Transistor PDTA114ET           | 3198 010 44010 |
| 4614 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7311 | Transistor BF422               | 3198 020 43010 |
| 4615 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7312 | Transistor BF422               | 3198 020 43010 |
| 4616 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7313 | Transistor BF423               | 3198 020 43020 |
| 4617 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7321 | Transistor BF422               | 3198 020 43010 |
| 4618 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7322 | Transistor BF422               | 3198 020 43010 |
| 4619 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7323 | Transistor BF423               | 3198 020 43020 |
| 4622 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7331 | Transistor BF422               | 3198 020 43010 |
| 4623 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7332 | Transistor BF422               | 3198 020 43010 |
| 4691 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7333 | Transistor BF423               | 3198 020 43020 |
| 4692 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7401 | Transistor PDTC143ZT           | 9340 547 00215 |
| 4693 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7402 | Power Transistor BUT11APX-1200 | 9340 563 21127 |
| 4901 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7403 | Transistor BC337-25            | 3198 020 43530 |
| 4903 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7404 | Transistor BC636               | 9332 219 50126 |
| 4911 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7405 | Transistor BC857B              | 3198 010 42150 |
| 4982 | Zero ohm "Chip" Jumper                 | 3198 021 90020 | 7406 | Transistor BC857B              | 3198 010 42150 |
| 5001 | Fixed Inductor, 5.6uH, 10%             | 3198 018 25680 | 7407 | Power Transistor BD135-16      | 3198 020 41190 |
| 5002 | Fixed Inductor, 0.82uH, 10%            | 3198 018 18270 | 7408 | Power Transistor BD135-17      | 3198 020 41190 |
| 5201 | Fixed Inductor, 6.8uH, 5%              | 3198 018 16880 | 7409 | Transistor BC857B              | 3198 010 42150 |
| 5202 | Fixed Inductor, 10uH, 10%              | 3198 018 21090 | 7471 | IC, TDA9302H                   | 9322 088 25682 |
| 5241 | Fixed Inductor, 10uH, 10%              | 3198 018 21090 | 7515 | Opto-Coupler, TCET1103(G)      | 9322 140 14667 |
| 5242 | Fixed Inductor, 10uH, 5%               | 3198 018 11090 | 7520 | IC, TEA1507P/N1                | 9352 673 56112 |
| 5341 | Fixed Inductor, 12uH, 5% SPT0508       | 2422 535 95598 | 7521 | Power FET, STP5NC50FP          | 9322 160 71687 |
| 5342 | Fixed Inductor Bead, 100MHz            | 3198 018 90010 | 7522 | Transistor BC847B              | 3198 010 42030 |
| 5403 | Fixed Inductor, 33uH, 10% LHL08        | 2422 535 94643 | 7540 | Transistor BC547B              | 3198 020 40030 |
| 5408 | Fixed Inductor, 27uH, 5% SPT0508       | 2422 535 95366 | 7541 | Transistor PDTCL14ET           | 9340 310 10215 |
| 5410 | Fixed Inductor, 27uH, 5% SPT0508       | 2422 535 95366 | 7542 | Transistor BC857B              | 3198 010 42150 |
| 5444 | Signal Driver Transformer SC10009-03   | 2422 531 02446 | 7560 | IC, L78L33ACZ                  | 9322 134 92676 |
| 5445 | LOT Transformer MSL0T4                 | 3128 138 21541 | 7561 | Transistor PDTC143ZT           | 9340 547 00215 |
| 5502 | AC Filter                              | 2422 549 44284 | 7580 | Transistor BC857B              | 3198 010 42150 |
| 5520 | Transformer SS28011-04                 | 2422 531 02458 | 7602 | IC M24C16-WBN6                 | 9322 147 25682 |
| 5521 | Fixed Inductor Bead, 100MHz            | 3198 018 90010 | 7861 | IC, TDA9853H/V1                | 9352 671 19557 |
| 5560 | Fixed Inductor Bead, 100MHz            | 3198 018 90010 | 7901 | IC, AN7522N                    | 9322 158 65667 |
| 5561 | Fixed Inductor, 27uH, 10%              | 3198 018 22790 | 9181 | Jumper Wire                    | 0322 179 00003 |
| 5562 | Fixed Inductor Bead, 100MHz            | 3198 018 90010 | 9696 | Jumper Wire                    | 0322 179 00003 |
| 5563 | Fixed Inductor Bead, 100MHz            | 3198 018 90010 | 9819 | Jumper Wire                    | 0322 179 00003 |
| 5602 | Fixed Inductor, 5.6uH, 5%              | 3198 018 15680 | 9852 | Jumper Wire                    | 0322 179 00003 |
| 5603 | Fixed Inductor, 5.6uH, 5%              | 3198 018 15680 | 9890 | Jumper Wire                    | 0322 179 00003 |
| 5604 | Fixed Inductor, 5.6uH, 5%              | 3198 018 15680 | 9894 | Jumper Wire                    | 0322 179 00003 |
| 5861 | Fixed Inductor, 10uH, 5%               | 3198 018 11090 | 9913 | Jumper Wire                    | 0322 179 00003 |
| 6001 | Diode Regulator, BZX79-C33 (33Volt)    | 3198 010 23390 | 9914 | Jumper Wire                    | 0322 179 00003 |
| 6201 | Diode, BAV21                           | 3198 010 10630 | CBA  | Main Chassis                   | 3139 178 85491 |
| 6202 | Diode, BAS316                          | 3198 010 10630 |      |                                |                |
| 6206 | Diode Regulator, BZX384-C6V8 (6.8Volt) | 3198 020 56880 |      |                                |                |
| 6241 | Diode Regulator, BZX384-C6V8 (6.8Volt) | 3198 020 56880 |      |                                |                |
| 6311 | Diode, BAV21                           | 3198 010 10070 |      |                                |                |
| 6321 | Diode, BAV21                           | 3198 010 10070 |      |                                |                |
| 6331 | Diode, BAV21                           | 3198 010 10070 |      |                                |                |
| 6341 | Diode, BAV21                           | 3198 010 10070 |      |                                |                |
| 6342 | Diode, 1N4148                          | 3198 010 10010 |      |                                |                |
| 6343 | Diode Regulator, BZX384-C8V2 (8.2Volt) | 3198 020 58280 |      |                                |                |
| 6401 | Diode, BAV21                           | 3198 010 10070 |      |                                |                |
| 6402 | Diode Rectifier, BYV27-200             | 9322 126 72673 |      |                                |                |
| 6404 | Diode Rectifier, BYD33D                | 9337 410 30133 |      |                                |                |
| 6405 | Diode Rectifier, BYD33D                | 9337 234 00133 |      |                                |                |
| 6406 | Diode, BAV70                           | 9331 849 10215 |      |                                |                |
| 6407 | Diode, BAS316                          | 3198 010 10630 |      |                                |                |
| 6408 | Diode, BAS316                          | 3198 010 10630 |      |                                |                |
| 6409 | Diode Rectifier, BYD33D                | 9337 234 00133 |      |                                |                |
| 6410 | Diode Rectifier, BYD33D                | 9337 234 00133 |      |                                |                |
| 6413 | Diode, 1N4148                          | 3198 010 10010 |      |                                |                |
| 6414 | Diode Regulator, BZX79-B6V2 (6.2Volt)  | 9331 668 30133 |      |                                |                |
| 6415 | Diode, BAS316                          | 3198 010 10630 |      |                                |                |
| 6419 | Diode Regulator, BZX79-C5V6 (5.6Volt)  | 3198 010 25680 |      |                                |                |
| 6420 | Diode Regulator, BZX79-C9V1 (9.1Volt)  | 9331 177 80133 |      |                                |                |
| 6423 | Diode Rectifier, BYD33D                | 9337 234 00133 |      |                                |                |
| 6471 | Diode Rectifier, BYD33D                | 9337 234 00133 |      |                                |                |
| 6500 | Diode Rectifier, 1N5062                | 3198 010 10120 |      |                                |                |
| 6501 | Diode Rectifier, 1N5062                | 3198 010 10120 |      |                                |                |
| 6502 | Diode Rectifier, 1N5062                | 3198 010 10120 |      |                                |                |
| 6503 | Diode Rectifier, 1N5062                | 3198 010 10120 |      |                                |                |
| 6520 | Diode Rectifier, BYD33D                | 9337 234 00133 |      |                                |                |
| 6523 | Diode, 1N4148                          | 3198 010 10010 |      |                                |                |
| 6540 | Diode Regulator, BZX79-B6V2 (6.2Volt)  | 9331 668 30133 |      |                                |                |
| 6541 | Diode Regulator, BZX79-C10 (10Volt)    | 3198 010 21090 |      |                                |                |
| 6560 | Diode Rectifier, BYW76-RAS15/10        | 9322 127 32682 |      |                                |                |
| 6561 | Diode Rectifier, BYW76-RAS15/10        | 9322 127 32682 |      |                                |                |
| 6562 | Diode Rectifier, EGP20DL-5100          | 9322 164 42682 |      |                                |                |
| 6563 | Diode, BAS316                          | 3198 010 10630 |      |                                |                |
| 6565 | Diode, BAV70                           | 9331 849 10215 |      |                                |                |
| 6566 | Diode, BAS316                          | 3198 010 10630 |      |                                |                |
| 6569 | Diode, BAS316                          | 3198 010 10630 |      |                                |                |
| 6570 | Diode Regulator, BZX384-C6V8 (6.8Volt) | 3198 020 56880 |      |                                |                |
| 6580 | Diode, BAS316                          | 3198 010 10630 |      |                                |                |
| 6581 | Diode, BAS316                          | 3198 010 10630 |      |                                |                |
| 6681 | Diode, BAT85                           | 9336 247 60133 |      |                                |                |
| 6691 | LED, VS LTL-10224WHCR                  | 9322 050 99682 |      |                                |                |
| 6692 | IR Receiver, TSOP1836UH3V              | 9322 127 54667 |      |                                |                |
| 6901 | Diode, BAS316                          | 3198 010 10630 |      |                                |                |

S = Safety Part Be sure to use exact replacement part.

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## Main Chassis

|        |   |      |     |       |        |   |      |     |       |
|--------|---|------|-----|-------|--------|---|------|-----|-------|
|        | Main Chassis  |      |     |       | 2413   | Cap, 10u, 20%, 250v, Electrolytic. . . . .              | 2020 | 012 | 93495 |
| 0139   | IC-SPRING 7402 . . . . .                              | 3139 | 121 | 24581 | 2414   | Cap, 1000u, 20%, 16v, Electrolytic. . . . .             | 2020 | 021 | 91049 |
| 0040   | 3 Pin Cinch Cover. . . . .                            | 3139 | 124 | 25551 | 2416   | Cap, 820p, 10%, 2000v, Ceramic . . . . .                | 2020 | 558 | 90486 |
| 0121   | Heatsink . . . . .                                    | 3139 | 121 | 26992 | 2417   | Cap, 1000u, 20%, 16v, Electrolytic . . . . .            | 2020 | 021 | 91049 |
| 0122   | Heatsink . . . . .                                    | 3139 | 121 | 26952 | 2418   | Cap, 10n, 10%, 50v, Ceramic. . . . .                    | 3198 | 017 | 01030 |
| 0124   | Heatsink . . . . .                                    | 3139 | 121 | 26941 | 2419   | Cap, 1u, 20%, 50v, Electrolytic. . . . .                | 2020 | 021 | 91147 |
| 0127   | Socket Fuse. . . . .                                  | 2422 | 088 | 00271 | 2420   | Cap, 1u, 20%, 50v, Electrolytic. . . . .                | 3198 | 025 | 51080 |
| 0137   | Spring . . . . .                                      | 3139 | 121 | 24581 | 2421   | Cap, 47n, +80/-20%, 50v, Ceramic . . . . .              | 3198 | 017 | 24730 |
| 0138   | IC-Spring. . . . .                                    | 3104 | 301 | 22081 | 2422   | Cap, 470u, 20%, 16v, Electrolytic. . . . .              | 2020 | 021 | 91577 |
| 0139   | Spring for Bracket . . . . .                          | 3122 | 121 | 24786 | 2423   | Cap, 10u, 20%, 100v, Electrolytic. . . . .              | 2020 | 021 | 90813 |
| 0152   | Cable, 6 Pin, 400mm. . . . .                          | 3139 | 121 | 08841 | 2471   | Cap, 100n, 10%, 50v, Polyester . . . . .                | 3198 | 014 | 01040 |
| 0153   | Cable, 3 Pin, 400mm. . . . .                          | 3139 | 121 | 07041 | 2472   | Cap, 100n, 10%, 50v, Polyester . . . . .                | 3198 | 014 | 01040 |
| 0211   | Connector, 2 Pin . . . . .                            | 2422 | 025 | 16269 | 2473   | Cap, 100u, 20%, 50v, Electrolytic. . . . .              | 2020 | 021 | 90587 |
| 0212   | Connector, 2 Pin . . . . .                            | 2422 | 025 | 16375 | 2475   | Cap, 470p, 5%, 50v, Ceramic. . . . .                    | 3198 | 016 | 04710 |
| 0217   | Connector, 3 Pin . . . . .                            | 2412 | 020 | 00725 | 2476   | Cap, 220n, 10%, 50v, Polyester . . . . .                | 3198 | 014 | 02240 |
| 0218   | Socket Cinch, 3 Pin. . . . .                          | 2422 | 026 | 04742 | 2477   | Cap, 470p, 5%, 50v, Ceramic. . . . .                    | 3198 | 016 | 04710 |
| 0220   | Connector, 3 Pin . . . . .                            | 2422 | 025 | 04851 | 2500   | Cap, 470n, 20%, 275v, Metalized Polypropylene . . . . . | 2222 | 336 | 29148 |
| 0221   | Connector, 4 Pin . . . . .                            | 2422 | 025 | 15503 | 2501   | Cap, 2n2, 10%, 1000v, Ceramic. . . . .                  | 3198 | 019 | 52220 |
| 0222   | Connector, 2 Pin . . . . .                            | 2422 | 025 | 10646 | 2502   | Cap, 2n2, 10%, 1000v, Ceramic. . . . .                  | 3198 | 019 | 52220 |
| 0232   | Socket, Phone, 1 Pin . . . . .                        | 2422 | 026 | 04747 | 2503   | Cap, 220u, 20%, 200v, Electrolytic . . . . .            | 2020 | 024 | 90585 |
| 0243   | Connector, 6 Pin . . . . .                            | 2422 | 025 | 04854 | 2506   | Cap, 2n2, 10%, 1000v, Ceramic. . . . .                  | 3198 | 019 | 52220 |
| 0244   | Connector, 3 Pin . . . . .                            | 2422 | 025 | 04851 | 2508   | Cap, 470p, 10%, 1000v, Ceramic . . . . .                | 3198 | 019 | 64710 |
| 0245   | Connector, 6 Pin . . . . .                            | 2422 | 025 | 04854 | S 2515 | Cap, 1n5, 20%, v, Ceramic. . . . .                      | 2020 | 554 | 90128 |
| 0246   | Connector, 5 Pin . . . . .                            | 2422 | 025 | 15848 | 2520   | Cap, 100n, 10%, 16v, Ceramic . . . . .                  | 3198 | 017 | 01040 |
| 0254   | Socket, CRT, 9 Pin, N-Neck . . . . .                  | 2422 | 500 | 80076 | 2521   | Cap, 22u, 20%, 50v, Electrolytic . . . . .              | 3198 | 025 | 52290 |
| 1000   | Tuner, V+U, PLL . . . . .                             | 2422 | 542 | 90108 | 2522   | Cap, 100n, 10%, 16v, Ceramic . . . . .                  | 3198 | 017 | 01040 |
| 1002   | Filter, S.A.W. 45MHZ75. . . . .                       | 2422 | 549 | 44518 | 2523   | Cap, 1n5, 10%, 2000v, Ceramic. . . . .                  | 2020 | 558 | 90489 |
| 1200   | Filter, Ceramic, 4MHz5 . . . . .                      | 2422 | 549 | 40807 | 2525   | Cap, 470p, 10%, 50v, Ceramic . . . . .                  | 3198 | 017 | 04710 |
| S 1500 | Fuse, 4A, 250V, IEC . . . . .                         | 2422 | 086 | 10869 | 2526   | Cap, 1n, 10%, 50v, Ceramic . . . . .                    | 3198 | 017 | 01020 |
| S 1515 | Relay, 12V, 5A G5PA-1. . . . .                        | 2422 | 132 | 07444 | 2527   | Cap, 470p, 10%, 50v, Ceramic . . . . .                  | 3198 | 017 | 04710 |
| 1600   | Switch, Tactile. . . . .                              | 2422 | 128 | 02742 | 2540   | Cap, 15n, 10%, 50v, Ceramic. . . . .                    | 3198 | 017 | 01530 |
| 1601   | Switch, Tactile. . . . .                              | 2422 | 128 | 02742 | 2560   | Cap, 1n, 10%, 1000v, Ceramic . . . . .                  | 3198 | 019 | 61020 |
| 1602   | Switch, Tactile. . . . .                              | 2422 | 128 | 02742 | 2561   | Cap, 47u, 20%, 160v, Electrolytic. . . . .              | 2020 | 021 | 91358 |
| 1603   | Switch, Tactile. . . . .                              | 2422 | 128 | 02742 | 2562   | Cap, 1n, 10%, 50v, Ceramic . . . . .                    | 3198 | 019 | 11020 |
| 1606   | Switch, Tactile. . . . .                              | 2422 | 128 | 02742 | 2563   | Cap, 100n, 10%, 50v, Polyester . . . . .                | 3198 | 014 | 01040 |
| 1660   | Crystal, 12MHz000 . . . . .                           | 2422 | 543 | 01203 | 2564   | Cap, 2u2, 20%, 16v, Electrolytic . . . . .              | 2020 | 012 | 93057 |
| 1861   | Resonator Crystal, 514KHz5 . . . . .                  | 2422 | 540 | 98344 | 2565   | Cap, 470p, 10%, 1000v, Ceramic . . . . .                | 3198 | 019 | 64710 |
| 2004   | Cap, 47n, 10%, 25v, Ceramic. . . . .                  | 3198 | 023 | 04730 | 2567   | Cap, 47u, 20%, 25v, Electrolytic . . . . .              | 3198 | 025 | 34790 |
| 2005   | Cap, 10u, 20%, 50v, Electrolytic . . . . .            | 3198 | 025 | 51090 | 2568   | Cap, 1u, 20%, 50v, Electrolytic. . . . .                | 3198 | 025 | 51080 |
| 2006   | Cap, 470u, 20%, 16v, Electrolytic. . . . .            | 3198 | 025 | 24710 | 2569   | Cap, 470p, 10%, 50v, Ceramic . . . . .                  | 3198 | 017 | 04710 |
| 2007   | Cap, 100n, +80/-20%, 25v, Ceramic. . . . .            | 3198 | 023 | 21040 | 2580   | Cap, 47u, 20%, 25v, Electrolytic . . . . .              | 3198 | 025 | 34790 |
| 2008   | Cap, 100u, 20%, 25v, Electrolytic. . . . .            | 3198 | 025 | 31010 | 2601   | Cap, 220n, +80/-20%, 25v, Ceramic. . . . .              | 3198 | 023 | 22240 |
| 2009   | Cap, 22n, 10%, 50v, Ceramic. . . . .                  | 3198 | 017 | 02230 | 2602   | Cap, 100p, 5%, 50v, Ceramic. . . . .                    | 3198 | 016 | 01010 |
| 2141   | Res, Zero ohm, "Chip" Jumper . . . . .                | 3198 | 021 | 90020 | 2606   | Cap, 1n, 5%, 50v, Ceramic. . . . .                      | 3198 | 016 | 01020 |
| 2181   | Cap, 22p, 5%, 50v, Ceramic . . . . .                  | 3198 | 016 | 02290 | 2607   | Cap, 33p, 5%, 50v, Ceramic . . . . .                    | 3198 | 016 | 03390 |
| 2182   | Cap, 330p, 5%, 50v, Ceramic. . . . .                  | 3198 | 016 | 03310 | 2608   | Cap, 1u, +80/-20%, 16v, Ceramic. . . . .                | 3198 | 017 | 21050 |
| 2183   | Cap, 330p, 5%, 50v, Ceramic. . . . .                  | 3198 | 016 | 03310 | 2609   | Cap, 33p, 5%, 50v, Ceramic . . . . .                    | 3198 | 016 | 03390 |
| 2184   | Cap, 2u2, +80/-20%, 10v, Ceramic . . . . .            | 3198 | 017 | 22250 | 2611   | Cap, 1u, +80/-20%, 16v, Ceramic. . . . .                | 3198 | 017 | 21050 |
| 2202   | Cap, 100n, +80/-20%, 25v, Ceramic. . . . .            | 3198 | 023 | 21040 | 2612   | Cap, 68p, 5%, 50v, Ceramic . . . . .                    | 3198 | 016 | 06890 |
| 2203   | Cap, 100n, +80/-20%, 25v, Ceramic. . . . .            | 3198 | 023 | 21040 | 2613   | Cap, 68p, 5%, 50v, Ceramic . . . . .                    | 3198 | 016 | 06890 |
| 2204   | Cap, 100n, +80/-20%, 25v, Ceramic. . . . .            | 3198 | 023 | 21040 | 2615   | Cap, 1n, 5%, 50v, Ceramic. . . . .                      | 3198 | 016 | 01020 |
| 2205   | Cap, 220n, +80/-20%, 25v, Ceramic. . . . .            | 3198 | 023 | 22240 | 2618   | Cap, 1u, +80/-20%, 16v, Ceramic. . . . .                | 3198 | 017 | 21050 |
| 2208   | Cap, 100n, +80/-20%, 25v, Ceramic. . . . .            | 3198 | 023 | 21040 | 2619   | Cap, 1u, +80/-20%, 16v, Ceramic. . . . .                | 3198 | 017 | 21050 |
| 2209   | Cap, 4u7, 20%, 50v, Electrolytic . . . . .            | 3198 | 025 | 54780 | 2691   | Cap, 220u, 20%, 25v, Electrolytic. . . . .              | 3198 | 025 | 32210 |
| 2210   | Cap, 470n, 20%, 50v, Electrolytic. . . . .            | 3198 | 025 | 54770 | 2861   | Cap, 220n, +80/-20%, 25v, Ceramic. . . . .              | 3198 | 023 | 22240 |
| 2211   | Cap, 470n, +80/-20%, 16v, Ceramic. . . . .            | 3198 | 017 | 24740 | 2862   | Cap, 2u2, +80/-20%, 10v, Ceramic . . . . .              | 3198 | 017 | 22250 |
| 2216   | Cap, 470u, 20%, 16v, Electrolytic. . . . .            | 3198 | 025 | 24710 | 2864   | Cap, 2u2, 20%, 50v, Electrolytic . . . . .              | 3198 | 025 | 52280 |
| 2217   | Cap, 22n, 10%, 50v, Ceramic. . . . .                  | 3198 | 017 | 02230 | 2865   | Cap, 2u2, 20%, 50v, Electrolytic . . . . .              | 3198 | 025 | 52280 |
| 2219   | Cap, 220n, +80/-20%, 25v, Ceramic. . . . .            | 3198 | 023 | 22240 | 2866   | Cap, 2u2, +80/-20%, 10v, Ceramic . . . . .              | 3198 | 017 | 22250 |
| 2226   | Cap, 100p, 5%, 50v, Ceramic. . . . .                  | 3198 | 016 | 01010 | 2867   | Cap, 3n3, 10%, 50v, Ceramic. . . . .                    | 3198 | 017 | 03320 |
| 2227   | Cap, 4n7, 10%, 50v, Ceramic. . . . .                  | 3198 | 017 | 04720 | 2868   | Cap, 150p, 5%, 50v, Ceramic. . . . .                    | 3198 | 016 | 01510 |
| 2228   | Cap, 820p, 5%, 50v, Ceramic. . . . .                  | 3198 | 016 | 08210 | 2869   | Cap, 47n, 10%, 50v, Polyester. . . . .                  | 3198 | 014 | 04730 |
| 2229   | Cap, 10u, 20%, 50v, Electrolytic . . . . .            | 3198 | 025 | 51090 | 2870   | Cap, 47n, 10%, 50v, Polyester. . . . .                  | 3198 | 014 | 04730 |
| 2233   | Cap, 820p, 5%, 50v, Ceramic. . . . .                  | 3198 | 016 | 08210 | 2871   | Cap, 150p, 10%, 50v, Ceramic . . . . .                  | 3198 | 019 | 11510 |
| 2241   | Cap, 1n5, 10%, 50v, Ceramic. . . . .                  | 3198 | 017 | 01520 | 2872   | Cap, 3n3, 10%, 50v, Polyester. . . . .                  | 3198 | 014 | 03320 |
| 2242   | Cap, 1u, +80/-20%, 16v, Ceramic. . . . .              | 3198 | 017 | 21050 | 2873   | Cap, 2u2, +80/-20%, 10v, Ceramic . . . . .              | 3198 | 017 | 22250 |
| 2243   | Cap, 2n2, 10%, 50v, Ceramic. . . . .                  | 3198 | 017 | 02220 | 2874   | Cap, 100u, 20%, 25v, Electrolytic. . . . .              | 3198 | 025 | 31010 |
| 2244   | Cap, 100n, 10%, 63v, Metalized Polyeste               | 2222 | 370 | 75104 | 2875   | Cap, 100u, 20%, 25v, Electrolytic. . . . .              | 3198 | 025 | 31010 |
| 2245   | Cap, 220n, +80/-20%, 25v, Ceramic. . . . .            | 3198 | 023 | 22240 | 2876   | Cap, 4u7, 20%, 50v, Electrolytic . . . . .              | 3198 | 025 | 54780 |
| 2247   | Cap, 470u, 20%, 16v, Electrolytic. . . . .            | 3198 | 025 | 24710 | 2877   | Cap, 10u, 20%, 50v, Electrolytic . . . . .              | 3198 | 025 | 51090 |
| 2248   | Cap, 22n, 10%, 50v, Ceramic. . . . .                  | 3198 | 017 | 02230 | 2878   | Cap, 1u, 20%, 50v, Electrolytic. . . . .                | 3198 | 025 | 51080 |
| 2249   | Cap, 22n, 10%, 50v, Ceramic. . . . .                  | 3198 | 017 | 02230 | 2879   | Cap, 4n7, 10%, 50v, Ceramic. . . . .                    | 3198 | 017 | 04720 |
| 2250   | Cap, 2u2, 20%, 50v, Electrolytic . . . . .            | 3198 | 025 | 52280 | 2880   | Cap, 22n, 10%, 50v, Ceramic. . . . .                    | 3198 | 017 | 02230 |
| 2252   | Cap, 1n, 5%, 50v, Ceramic. . . . .                    | 3198 | 016 | 01020 | 2883   | Cap, 470u, 20%, 16v, Electrolytic. . . . .              | 3198 | 025 | 24710 |
| 2253   | Cap, 1n, 5%, 50v, Ceramic. . . . .                    | 3198 | 016 | 01020 | 2884   | Cap, 2u2, 20%, 50v, Electrolytic . . . . .              | 3198 | 025 | 52280 |
| 2254   | Cap, 100p, 5%, 50v, Ceramic. . . . .                  | 3198 | 016 | 01010 | 2885   | Cap, 220n, 10%, 50v, Polyester . . . . .                | 3198 | 014 | 02240 |
| 3131   | Cap, 220p, 5%, 50v, Ceramic. . . . .                  | 3198 | 016 | 02210 | 2891   | Cap, 2u2, +80/-20%, 10v, Ceramic . . . . .              | 3198 | 017 | 22250 |
| 3233   | Cap, 390p, 5%, 50v, Ceramic. . . . .                  | 3198 | 016 | 03910 | 2902   | Cap, 220u, 20%, 50v, Electrolytic. . . . .              | 3198 | 026 | 52210 |
| 3331   | Cap, 390p, 5%, 50v, Ceramic. . . . .                  | 3198 | 016 | 03910 | 2903   | Cap, 1u, 20%, 50v, Electrolytic. . . . .                | 3198 | 025 | 51080 |
| 2341   | Cap, 2n2, 10%, 1000v, Ceramic. . . . .                | 2020 | 558 | 90571 | 2904   | Cap, 470n, +80/-20%, 16v, Ceramic. . . . .              | 3198 | 017 | 24740 |
| 2342   | Cap, 47n, 10%, 250v, Metalized Polyeste               | 2222 | 365 | 45473 | 2905   | Cap, 1n, 5%, 50v, Ceramic. . . . .                      | 3198 | 016 | 01020 |
| 2343   | Cap, 47n, 10%, 250v, Metalized Polyeste               | 2222 | 365 | 45473 | 2906   | Cap, 470n, +80/-20%, 16v, Ceramic. . . . .              | 3198 | 017 | 24740 |
| 2401   | Cap, 680p, 10%, 50v, Ceramic . . . . .                | 3198 | 019 | 16810 | 2907   | Cap, 1n, 5%, 50v, Ceramic. . . . .                      | 3198 | 016 | 01020 |
| 2402   | Cap, 680n, 5%, 250v, Metalized Polypropylene. . . . . | 2222 | 479 | 90027 | 2908   | Cap, 10u, 20%, 50v, Electrolytic . . . . .              | 3198 | 025 | 51090 |
| 2406   | Cap, 330p, 5%, 50v, Ceramic. . . . .                  | 3198 | 016 | 03310 | 2950   | Cap, 330p, 5%, 50v, Ceramic. . . . .                    | 3198 | 016 | 03310 |
| 2407   | Cap, 10n, 5%, 1600v, Polypropylene . . . . .          | 2222 | 375 | 90154 | 2981   | Cap, 10u, 20%, 50v, Electrolytic . . . . .              | 3198 | 025 | 51090 |
| 2408   | Cap, 22n, +80/-20%, 50v, Ceramic . . . . .            | 3198 | 019 | 22230 | 2982   | Cap, 470p, 5%, 50v, Ceramic. . . . .                    | 3198 | 016 | 04710 |
| 2409   | Cap, 47u, 20%, 160v, Electrolytic. . . . .            | 2020 | 021 | 91139 | 2983   | Cap, 10u, 20%, 50v, Electrolytic . . . . .              | 3198 | 025 | 51090 |
| 2410   | Cap, 470u, 20%, 16v, Electrolytic. . . . .            | 2020 | 021 | 91577 | 2984   | Cap, 470p, 5%, 50v, Ceramic. . . . .                    | 3198 | 016 | 04710 |
| 2411   | Cap, 47u, 20%, 25v, Electrolytic. . . . .             | 2020 | 021 | 90586 | 3000   | Res, 100 ohm, 5%, 1/6W, Carbon Film. . . . .            | 3198 | 011 | 01010 |

S = Safety Part      Be sure to use exact replacement part.

# 19PS45S121 (continued)

|      |  |                |        |  |                |
|------|--|----------------|--------|--|----------------|
| 3001 | Res, 100 ohm, 5%, 1/6W, Carbon Film. . . . .   | 3198 011 01010 | 3432   | Res, 22 ohm, 5%, 1/6W, Carbon Film. . . . .    | 3198 011 02290 |
| 3002 | Res, Zero ohm, "Chip" Jumper . . . . .         | 3198 021 90020 | 3471   | Res, 3R9, 1%, 3/5W, Metal Film . . . . .       | 2312 915 13908 |
| 3003 | Res, 1K5, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 51520 | 3472   | Res, 3R9, 1%, 3/5W, Metal Film . . . . .       | 2312 915 13908 |
| 3004 | Res, 8K2, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 58220 | 3473   | Res, 2K2, 1%, 3/5W, Metal Film . . . . .       | 2312 915 12202 |
| 3005 | Res, 100 ohm, 5%, 1/6W, Carbon Film. . . . .   | 3198 011 01010 | 3474   | Res, 1K, 5%, 1/6W, Carbon Film. . . . .        | 3198 011 01020 |
| 3181 | Res, 75 ohm, 5%, 1/6W, Carbon Film. . . . .    | 3198 011 07590 | 3475   | Res, 2K2, 1%, 3/5W, Metal Film . . . . .       | 2312 915 12202 |
| 3182 | Res, 100 ohm, 5%, 1/6W, Carbon Film. . . . .   | 3198 011 01010 | 3476   | Res, 1R5, 5%, 1/3W, Metal Film . . . . .       | 2306 204 03158 |
| 3183 | Res, 150 ohm, 5%, 1/6W, Carbon Film. . . . .   | 3198 011 01510 | 3477   | Res, 220 ohm, 5%, 1/6W, Carbon Film. . . . .   | 3198 011 02210 |
| 3184 | Res, 47K, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 54730 | 3478   | Res, 220 ohm, 5%, 1/6W, Carbon Film. . . . .   | 3198 011 02210 |
| 3185 | Res, 150 ohm, 5%, 1/6W, Carbon Film. . . . .   | 3198 011 01510 | 3479   | Res, 1K, 5%, 1/6W, Carbon Film. . . . .        | 3198 011 01020 |
| 3186 | Res, 47K, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 54730 | 3500   | Res, 3M3, 5%, 1/2W, Metalized Glass. . . . .   | 2322 242 13335 |
| 3200 | Res, 390 ohm, 5%, 1/6W, Carbon Film. . . . .   | 3198 011 03910 | 3501   | Res, 3M3, 5%, 1/2W, Metalized Glass. . . . .   | 2322 242 13335 |
| 3201 | Res, 100 ohm, 5%, 1/6W, Carbon Film. . . . .   | 3198 011 01010 | S 3502 | NTC, B57237, 3W1, 4R7, 20% . . . . .           | 2122 612 00055 |
| 3202 | Res, 100 ohm, 5%, 1/6W, Carbon Film. . . . .   | 3198 011 01010 | S 3503 | PTC, ZPB, 120V, 10R, 30% . . . . .             | 2120 661 00026 |
| 3203 | Res, 100 ohm, 5%, 1/6W, Carbon Film. . . . .   | 3198 011 01010 | 3506   | Res, 220 ohm, 20%, 1/2W, Carbon Film. . . . .  | 3198 013 02210 |
| 3204 | Res, 10K, 5%, 1/6W, Carbon Film. . . . .       | 3198 011 01030 | 3507   | Surge Protector. . . . .                       | 2422 549 43073 |
| 3206 | Res, 100K, 5%, 1/10W, Metalized Glass. . . . . | 3198 021 51040 | 3508   | Res, 1M5, 5%, 1/2W, Metalized Glass. . . . .   | 2322 242 13155 |
| 3207 | Res, 1K, 5%, 1/6W, Carbon Film. . . . .        | 3198 011 01020 | 3519   | Res, 270 ohm, 5%, 1/6W, Carbon Film. . . . .   | 3198 011 02710 |
| 3208 | Res, 220 ohm, 5%, 1/10W, Metalized Glas        | 3198 021 52210 | 3520   | Res, 1K2, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 51220 |
| 3209 | Res, 68 ohm, 5%, 1/10W, Metalized Glass        | 3198 021 56890 | 3521   | Res, 4R7, 5%, 1/6W, Carbon Film. . . . .       | 3198 011 04780 |
| 3212 | Res, 470 ohm, 5%, 1/10W, Metalized Glas        | 3198 021 54710 | 3522   | Res, 330K, 5%, 1/10W, Metalized Glass. . . . . | 3198 021 53340 |
| 3213 | Res, 560 ohm, 5%, 1/6W, Carbon Film. . . . .   | 3198 011 05610 | 3523   | Res, 100 ohm, 5%, 1/3W, Metal Film . . . . .   | 2306 204 03101 |
| 3217 | Res, 330K, 5%, 1/10W, Metalized Glass. . . . . | 3198 021 53340 | 3524   | Res, 56K, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 55630 |
| 3218 | Res, 82K, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 58230 | 3525   | Res, 1K, 5%, 1/10W, Metalized Glass. . . . .   | 3198 021 51020 |
| 3219 | Res, 2K2, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 52220 | 3526   | Res, 0R15, 5%, 3/5W, Metal Film. . . . .       | 3198 012 11570 |
| 3226 | Res, 560 ohm, 5%, 1/10W, Metalized Glas        | 3198 021 55610 | 3527   | Res, 2K2, 5%, 1/3W, Metal Film. . . . .        | 2306 204 03222 |
| 3232 | Res, 2K2, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 52220 | 3528   | Res, 10K, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 51030 |
| 3235 | Res, 100 ohm, 5%, 1/6W, Carbon Film. . . . .   | 3198 011 01010 | 3529   | Res, 47K, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 54730 |
| 3241 | Res, 22K, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 52230 | 3530   | Res, 4K7, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 54720 |
| 3242 | Res, 12K, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 51230 | 3531   | Res, Zero ohm, "Chip" Jumper . . . . .         | 3198 021 90020 |
| 3244 | Res, 820 ohm, 5%, 1/6W, Carbon Film. . . . .   | 3198 011 08210 | 3541   | Res, 470 ohm, 5%, 1/10W, Metalized Glas        | 3198 021 54710 |
| 3245 | Res, 39K, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 53930 | 3542   | Res, 1K5, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 51520 |
| 3246 | Res, 10K, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 51030 | 3543   | Res, 82K, 1%, 3/5W, Metal Film. . . . .        | 2312 915 18203 |
| 3247 | Res, 220K, 5%, 1/10W, Metalized Glass. . . . . | 3198 021 52240 | 3544   | Res, 6K8, 1%, 3/5W, Metal Film. . . . .        | 2312 915 16802 |
| 3248 | Res, 27K, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 52730 | 3545   | Res, 82K, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 58230 |
| 3249 | Res, 820 ohm, 5%, 1/6W, Carbon Film. . . . .   | 3198 011 08210 | 3546   | Res, Zero ohm, "Chip" Jumper . . . . .         | 3198 021 90020 |
| 3251 | Res, 100 ohm, 5%, 1/6W, Carbon Film. . . . .   | 3198 011 01010 | 3547   | Res, 0R33, 5%, 3/5W, Metal Film. . . . .       | 3198 012 13370 |
| 3254 | Res, 1M, 5%, 1/10W, Metalized Glass. . . . .   | 3198 021 51050 | 3548   | Res, 8K2, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 58220 |
| 3256 | Res, 1K, 5%, 1/10W, Metalized Glass. . . . .   | 3198 021 51020 | 3549   | Res, 220 ohm, 5%, 1/6W, Carbon Film. . . . .   | 3198 011 02210 |
| 3257 | Res, 10M, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 51060 | 3552   | Res, 10K, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 51030 |
| 3258 | Res, 330K, 5%, 1/10W, Metalized Glass. . . . . | 3198 021 53340 | 3559   | Res, 1K, 5%, 1/10W, Metalized Glass. . . . .   | 3198 021 51020 |
| 3259 | Res, 470K, 5%, 1/10W, Metalized Glass. . . . . | 3198 021 54740 | 3561   | Res, 100 ohm, 5%, 1/6W, Carbon Film. . . . .   | 3198 011 01010 |
| 3311 | Res, 1K5, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 51520 | 3562   | Res, 10K, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 51030 |
| 3312 | Res, 330 ohm, 5%, 1/10W, Metalized Glas        | 3198 021 53310 | 3563   | Res, 4K7, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 54720 |
| 3313 | Res, 10 ohm, 5%, 1/10W, Metalized Glass        | 3198 021 51090 | 3564   | Res, 4R7, 5%, 1 1/3W, Metal Film . . . . .     | 3198 012 24780 |
| 3314 | Res, 18K, 5%, 2 1/2W, Metal Film . . . . .     | 2322 195 63183 | 3565   | Res, 330 ohm, 5%, 1W, Metal Film . . . . .     | 3198 012 13310 |
| 3316 | Res, 68 ohm, 5%, 1/3W, Metal Film. . . . .     | 2306 204 03689 | 3566   | Res, 2K2, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 52220 |
| 3317 | Res, 1K5, 20%, 1/2W, Carbon Film . . . . .     | 3198 013 01520 | 3569   | Res, 5K6, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 55620 |
| 3321 | Res, 1K5, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 51520 | 3580   | Res, 47K, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 54730 |
| 3322 | Res, 330 ohm, 5%, 1/10W, Metalized Glas        | 3198 021 53310 | 3603   | Res, 100 ohm, 5%, 1/6W, Carbon Film. . . . .   | 3198 011 01010 |
| 3323 | Res, 10 ohm, 5%, 1/10W, Metalized Glass        | 3198 021 51090 | 3604   | Res, 100 ohm, 5%, 1/6W, Carbon Film. . . . .   | 3198 011 01010 |
| 3324 | Res, 18K, 5%, 2 1/2W, Metal Film . . . . .     | 2322 195 63183 | 3605   | Res, 4K7, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 54720 |
| 3326 | Res, 68 ohm, 5%, 1/3W, Metal Film. . . . .     | 2306 204 03689 | 3606   | Res, 2K2, 5%, 1/6W, Carbon Film. . . . .       | 3198 011 02220 |
| 3327 | Res, 1K5, 20%, 1/2W, Carbon Film . . . . .     | 3198 013 01520 | 3607   | Res, 2K2, 5%, 1/6W, Carbon Film. . . . .       | 3198 011 02220 |
| 3331 | Res, 1K5, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 51520 | 3608   | Res, 100 ohm, 5%, 1/6W, Carbon Film. . . . .   | 3198 011 01010 |
| 3332 | Res, 330 ohm, 5%, 1/10W, Metalized Glas        | 3198 021 53310 | 3611   | Res, 100 ohm, 5%, 1/10W, Metalized Glas        | 3198 021 51010 |
| 3333 | Res, 10 ohm, 5%, 1/10W, Metalized Glass        | 3198 021 51090 | 3618   | Res, 6K8, 5%, 1/6W, Carbon Film. . . . .       | 3198 011 06820 |
| 3334 | Res, 18K, 5%, 2 1/2W, Metal Film . . . . .     | 2322 195 63183 | 3622   | Res, 100 ohm, 5%, 1/10W, Metalized Glas        | 3198 021 51010 |
| 3336 | Res, 68 ohm, 5%, 1/3W, Metal Film. . . . .     | 2306 204 03689 | 3623   | Res, 4K7, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 54720 |
| 3337 | Res, 1K5, 20%, 1/2W, Carbon Film . . . . .     | 3198 013 01520 | 3624   | Res, 100 ohm, 5%, 1/6W, Carbon Film. . . . .   | 3198 011 01010 |
| 3341 | Res, 1K5, 20%, 1/2W, Carbon Film . . . . .     | 3198 013 01520 | 3625   | Res, 100 ohm, 5%, 1/6W, Carbon Film. . . . .   | 3198 011 01010 |
| 3347 | Res, 220 ohm, 5%, 1/3W, Metal Film . . . . .   | 2306 204 03221 | 3626   | Res, 4K7, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 54720 |
| 3348 | Res, 1K5, 20%, 1/2W, Carbon Film . . . . .     | 3198 013 01520 | 3627   | Res, 4K7, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 54720 |
| 3349 | Res, 1R2, 5%, 1/3W, Metal Film . . . . .       | 2306 204 03128 | 3628   | Res, 10K, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 51030 |
| 3350 | Res, 1R2, 5%, 1/3W, Metal Film . . . . .       | 2306 204 03128 | 3630   | Res, 2K2, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 52220 |
| 3401 | Res, 330K, 5%, 1/2W, Metalized Glass. . . . .  | 2322 242 13334 | 3632   | Res, Zero ohm, "Chip" Jumper . . . . .         | 3198 021 90020 |
| 3402 | Res, 18K, 5%, 1/6W, Carbon Film. . . . .       | 3198 011 01830 | 3635   | Wire Jumper, 0.58MM. . . . .                   | 3198 036 90010 |
| 3403 | Res, 22 ohm, 5%, 2 1/2W, Metal Film. . . . .   | 3198 012 32290 | 3636   | Res, 100 ohm, 5%, 1/10W, Metalized Glas        | 3198 021 51010 |
| 3404 | Res, 6R8, 5%, 1/3W, Metal Film . . . . .       | 2306 204 03688 | 3681   | Res, 390 ohm, 5%, 1/10W, Metalized Glas        | 3198 021 53910 |
| 3406 | Res, 10K, 5%, 1/6W, Carbon Film. . . . .       | 3198 011 01030 | 3682   | Res, 3K3, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 53320 |
| 3407 | Res, 220 ohm, 5%, 2 1/2W, Metal Film. . . . .  | 3198 012 32210 | 3683   | Res, 390 ohm, 5%, 1/10W, Metalized Glas        | 3198 021 53910 |
| 3408 | Res, 1K, 5%, 1/6W, Carbon Film. . . . .        | 3198 011 01020 | 3684   | Res, 560 ohm, 5%, 1/10W, Metalized Glas        | 3198 021 55610 |
| 3410 | Res, 33K, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 53330 | 3685   | Res, 560 ohm, 5%, 1/10W, Metalized Glas        | 3198 021 55610 |
| 3411 | Res, 10 ohm, 5%, 1/3W, Metal Film. . . . .     | 2306 204 03109 | 3686   | Res, 1K5, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 51520 |
| 3412 | Res, 3K3, 1%, 3/5W, Metal Film . . . . .       | 2312 915 13302 | 3691   | Res, 330 ohm, 5%, 1/10W, Metalized Glas        | 3198 021 53310 |
| 3413 | Res, 10K, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 51030 | 3693   | Res, 220 ohm, 5%, 1/10W, Metalized Glas        | 3198 021 52210 |
| 3414 | Res, 1K5, 1%, 3/5W, Metal Film . . . . .       | 2312 915 11502 | 3694   | Res, 4K7, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 54720 |
| 3415 | Res, 1K, 5%, 1/6W, Carbon Film. . . . .        | 3198 011 01020 | 3861   | Res, 100K, 5%, 1/10W, Metalized Glass. . . . . | 3198 021 51040 |
| 3416 | Res, 3R9, 5%, 1/2W, Metal Film . . . . .       | 2306 207 03398 | 3862   | Res, 15K, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 51530 |
| 3417 | Res, 33K, 5%, 1/6W, Carbon Film. . . . .       | 3198 011 03330 | 3863   | Res, 1K2, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 51220 |
| 3418 | Res, 33K, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 53330 | 3864   | Res, 100 ohm, 5%, 1/10W, Metalized Glas        | 3198 021 51010 |
| 3419 | Res, 6K8, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 56820 | 3865   | Res, 100 ohm, 5%, 1/6W, Carbon Film. . . . .   | 3198 011 01010 |
| 3420 | Res, 33K, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 53330 | 3866   | Res, 100 ohm, 5%, 1/6W, Carbon Film. . . . .   | 3198 011 01010 |
| 3421 | Res, 6R8, 5%, 1 1/3W, Metal Film . . . . .     | 3198 012 26880 | 3867   | Res, 3K3, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 53320 |
| 3422 | Res, 100 ohm, 5%, 1/10W, Metalized Glas        | 3198 021 51010 | 3901   | Res, 1K, 5%, 1/10W, Metalized Glass. . . . .   | 3198 021 51020 |
| 3423 | Res, 820 ohm, 5%, 1/10W, Metalized Glas        | 3198 021 58210 | 3902   | Res, 3K3, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 53320 |
| 3424 | Res, 100 ohm, 5%, 1/6W, Carbon Film. . . . .   | 3198 011 01010 | 3903   | Res, 15K, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 51530 |
| 3425 | Res, 15K, 5%, 1/6W, Carbon Film. . . . .       | 3198 011 01530 | 3904   | Res, 10K, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 51030 |
| 3426 | Res, Zero ohm, "Chip" Jumper . . . . .         | 3198 021 90020 | 3905   | Res, 15K, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 51530 |
| 3427 | Res, 12K, 5%, 1/6W, Carbon Film. . . . .       | 3198 011 01230 | 3906   | Res, 10K, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 51030 |
| 3428 | Res, 39 ohm, 5%, 1/2W, Metal Film. . . . .     | 2306 207 03399 | 3907   | Res, 8K2, 5%, 1/10W, Metalized Glass. . . . .  | 3198 021 58220 |
| 3431 | Res, Zero ohm, "Chip" Jumper . . . . .         | 3198 021 90020 | 3981   | Res, 120 ohm, 5%, 1/6W, Carbon Film. . . . .   | 3198 011 01210 |

S = Safety Part Be sure to use exact replacement part.



# 19PS45S121 (continued)

|        |  |                |      |  |                |
|--------|--|----------------|------|--|----------------|
| 3982   | Res, 120 ohm, 5%, 1/6W, Carbon Film. . . . . | 3198 011 01210 | 6580 | Diode, Signal, BAS316. . . . .         | 3198 010 10630 |
| 4001   | Res, Zero ohm, "Chip" Jumper . . . . .       | 3198 021 90020 | 6681 | Diode, Signal, BAT85 . . . . .         | 9336 247 60133 |
| 4002   | Res, Zero ohm, "Chip" Jumper . . . . .       | 3198 021 90020 | 6691 | LED, LTL-10224WHCR. . . . .            | 9322 050 99682 |
| 4181   | Res, Zero ohm, "Chip" Jumper . . . . .       | 3198 021 90020 | 6692 | IR Receiver, TSOP1836UH3V . . . . .    | 9322 127 54667 |
| 4214   | Res, Zero ohm, "Chip" Jumper . . . . .       | 3198 021 90020 | 6901 | Res, Zero ohm, "Chip" Jumper . . . . . | 3198 021 90020 |
| 4216   | Res, Zero ohm, "Chip" Jumper . . . . .       | 3198 021 90020 | 7200 | IC, TDA9587H/N1/3/0483 . . . . .       | 9352 699 89557 |
| 4217   | Res, Zero ohm, "Chip" Jumper . . . . .       | 3198 021 90020 | 7201 | Transistor, NPN, BC847B. . . . .       | 3198 010 42030 |
| 4410   | Res, Zero ohm, "Chip" Jumper . . . . .       | 3198 021 90020 | 7204 | Transistor, PNP, BC857B. . . . .       | 3198 010 42150 |
| 4501   | Res, Zero ohm, "Chip" Jumper . . . . .       | 3198 021 90020 | 7241 | Transistor, PNP, PDTA114ET . . . . .   | 3198 010 44010 |
| 4601   | Res, Zero ohm, "Chip" Jumper . . . . .       | 3198 021 90020 | 7311 | Transistor, NPN, BF422 . . . . .       | 3198 020 43010 |
| 4613   | Res, Zero ohm, "Chip" Jumper . . . . .       | 3198 021 90020 | 7312 | Transistor, NPN, BF422 . . . . .       | 3198 020 43010 |
| 4614   | Res, Zero ohm, "Chip" Jumper . . . . .       | 3198 021 90020 | 7313 | Transistor, PNP, BF423 . . . . .       | 3198 020 43020 |
| 4615   | Res, Zero ohm, "Chip" Jumper . . . . .       | 3198 021 90020 | 7321 | Transistor, NPN, BF422 . . . . .       | 3198 020 43010 |
| 4616   | Res, Zero ohm, "Chip" Jumper . . . . .       | 3198 021 90020 | 7322 | Transistor, NPN, BF422 . . . . .       | 3198 020 43010 |
| 4617   | Res, Zero ohm, "Chip" Jumper . . . . .       | 3198 021 90020 | 7323 | Transistor, PNP, BF423 . . . . .       | 3198 020 43020 |
| 4618   | Res, Zero ohm, "Chip" Jumper . . . . .       | 3198 021 90020 | 7331 | Transistor, NPN, BF422 . . . . .       | 3198 020 43010 |
| 4619   | Res, Zero ohm, "Chip" Jumper . . . . .       | 3198 021 90020 | 7332 | Transistor, NPN, BF422 . . . . .       | 3198 020 43010 |
| 4622   | Res, Zero ohm, "Chip" Jumper . . . . .       | 3198 021 90020 | 7333 | Transistor, PNP, BF423 . . . . .       | 3198 020 43020 |
| 4623   | Res, Zero ohm, "Chip" Jumper . . . . .       | 3198 021 90020 | 7401 | Transistor, NPN, PDTCT143ZT . . . . .  | 9340 547 00215 |
| 4691   | Res, Zero ohm, "Chip" Jumper . . . . .       | 3198 021 90020 | 7402 | Transistor, NPN, BUT11APX. . . . .     | 9340 563 21127 |
| 4692   | Res, Zero ohm, "Chip" Jumper . . . . .       | 3198 021 90020 | 7403 | Transistor, NPN, BC337-25. . . . .     | 9331 795 90126 |
| 4693   | Res, Zero ohm, "Chip" Jumper . . . . .       | 3198 021 90020 | 7404 | Transistor, PNP, BC636 . . . . .       | 9332 219 50126 |
| 4901   | Res, Zero ohm, "Chip" Jumper . . . . .       | 3198 021 90020 | 7405 | Transistor, PNP, BC857B. . . . .       | 3198 010 42150 |
| 4903   | Res, Zero ohm, "Chip" Jumper . . . . .       | 3198 021 90020 | 7406 | Transistor, PNP, BC857B. . . . .       | 3198 010 42150 |
| 4911   | Res, Zero ohm, "Chip" Jumper . . . . .       | 3198 021 90020 | 7407 | Transistor, NPN, BD135 . . . . .       | 3198 020 41010 |
| 4982   | Res, Zero ohm, "Chip" Jumper . . . . .       | 3198 021 90020 | 7408 | Transistor, NPN, BD135 . . . . .       | 3198 020 41010 |
| 5001   | Coil, 5u6. . . . .                           | 3198 018 25680 | 7409 | Transistor, PNP, BC857B. . . . .       | 3198 010 42150 |
| 5002   | Coil, 820n . . . . .                         | 3198 018 18270 | 7471 | IC, TDA9302H . . . . .                 | 9322 088 25682 |
| 5201   | Coil, 6u8. . . . .                           | 3198 018 16880 | 7515 | Optic Coupler, TCET1103(G) . . . . .   | 9322 140 14667 |
| 5202   | Coil, 10u. . . . .                           | 3198 018 21090 | 7520 | IC, TEA1507P/N1. . . . .               | 9352 673 56112 |
| 5241   | Coil, 10u. . . . .                           | 3198 018 21090 | 7521 | F.E.T. Power, STP5NC50FP . . . . .     | 9322 160 71687 |
| 5242   | Coil, 10u. . . . .                           | 3198 018 11090 | 7522 | Transistor, NPN, BC847B. . . . .       | 3198 010 42030 |
| 5341   | Coil, 22u. . . . .                           | 2422 535 95365 | 7540 | Transistor, NPN, BC547B. . . . .       | 3198 020 40030 |
| 5342   | Fixed, Inductor, 100MHz, 50R. . . . .        | 3198 018 90010 | 7541 | Transistor, NPN, PDTCT144ET . . . . .  | 9340 310 10215 |
| 5408   | Coil, 27u. . . . .                           | 2422 535 95366 | 7542 | Transistor, PNP, BC857B. . . . .       | 3198 010 42150 |
| 5410   | Coil, 27u. . . . .                           | 2422 535 95366 | 7560 | IC, LE33CZ . . . . .                   | 9322 106 11676 |
| 5444   | Transformer, Signal Driver, SC100. . . . .   | 2422 531 02446 | 7561 | Transistor, NPN, PDTCT143ZT . . . . .  | 9340 547 00215 |
| 5445   | Transformer. . . . .                         | 3128 138 21541 | 7580 | Transistor, PNP, BC857B. . . . .       | 3198 010 42150 |
| S 5502 | Filter, Mains, 5Mh, 1A C914-01 Y . . . . .   | 2422 549 44284 | 7602 | IC, M24C08-WBN6. . . . .               | 9322 154 38682 |
| 5520   | Transformer, SS28011-04 B. . . . .           | 2422 531 02458 | 7861 | IC, TDA9853H/V1. . . . .               | 9352 671 19557 |
| 5521   | Fixed, Inductor, 100MHz, 50R. . . . .        | 3198 018 90010 | 7901 | IC, AN7522N. . . . .                   | 9322 158 65667 |
| 5560   | Fixed, Inductor, 100MHz, 50R. . . . .        | 3198 018 90010 | 9001 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 5561   | Coil, 27u. . . . .                           | 3198 018 22790 | 9171 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 5562   | Fixed, Inductor, 100MHz, 50R. . . . .        | 3198 018 90010 | 9172 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 5563   | Fixed, Inductor, 100MHz, 50R. . . . .        | 3198 018 90010 | 9173 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 5602   | Coil, 5u6. . . . .                           | 3198 018 15680 | 9174 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 5603   | Coil, 5u6. . . . .                           | 3198 018 15680 | 9175 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 5604   | Coil, 5u6. . . . .                           | 3198 018 15680 | 9177 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 5861   | Coil, 10u. . . . .                           | 3198 018 11090 | 9181 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6001   | Zener Diode, 33 volt . . . . .               | 3198 010 23390 | 9182 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6201   | Diode, Signal, BAS316. . . . .               | 3198 010 10630 | 9183 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6202   | Diode, Signal, BAS316. . . . .               | 3198 010 10630 | 9191 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6206   | Zener Diode, 6.8 volt. . . . .               | 3198 020 56880 | 9192 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6241   | Zener Diode, 6.8 volt. . . . .               | 3198 020 56880 | 9193 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6311   | Diode, Signal, BAV21 . . . . .               | 3198 010 10070 | 9301 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6321   | Diode, Signal, BAV21 . . . . .               | 3198 010 10070 | 9302 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6331   | Diode, Signal, BAV21 . . . . .               | 3198 010 10070 | 9303 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6341   | Diode, Signal, BAV21 . . . . .               | 3198 010 10070 | 9304 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6342   | Diode, Signal, BA282 . . . . .               | 9337 587 20673 | 9402 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6343   | Zener Diode, 8.2 volt. . . . .               | 3198 020 58280 | 9403 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6401   | Diode, Signal, BAV21 . . . . .               | 3198 010 10070 | 9404 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6402   | Diode, Rect, BYV27-200. . . . .              | 9322 126 72673 | 9420 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6404   | Diode, Rect, BYD33M . . . . .                | 9337 410 30133 | 9421 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6405   | Diode, Rect, BYD33D . . . . .                | 9337 234 00133 | 9425 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6406   | Diode, Signal, BAV70 . . . . .               | 9331 849 10215 | 9426 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6407   | Diode, Signal, BAS316. . . . .               | 3198 010 10630 | 9427 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6408   | Diode, Signal, BAS316. . . . .               | 3198 010 10630 | 9428 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6409   | Diode, Rect, BYD33D . . . . .                | 9337 234 00133 | 9430 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6410   | Diode, Rect, BYD33D . . . . .                | 9337 234 00133 | 9431 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6413   | Diode, Signal, 1N4148. . . . .               | 3198 010 10010 | 9432 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6414   | Zener Diode, 6.2 volt. . . . .               | 9331 668 30133 | 9433 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6415   | Diode, Signal, BAS316. . . . .               | 3198 010 10630 | 9434 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6419   | Zener Diode, 5.6 volt. . . . .               | 9331 177 30133 | 9471 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6420   | Zener Diode, 9.1 volt. . . . .               | 9331 177 80133 | 9500 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6423   | Diode, Rect, BYD33D . . . . .                | 9337 234 00133 | 9501 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6471   | Diode, Rect, BYD33D . . . . .                | 9337 234 00133 | 9504 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6500   | Diode, Rect, 1N5062 . . . . .                | 3198 010 10120 | 9505 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6501   | Diode, Rect, 1N5062 . . . . .                | 3198 010 10120 | 9506 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6502   | Diode, Rect, 1N5062 . . . . .                | 3198 010 10120 | 9507 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6503   | Diode, Rect, 1N5062 . . . . .                | 3198 010 10120 | 9508 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6520   | Diode, Rect, BYD33D . . . . .                | 9337 234 00133 | 9509 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6523   | Diode, Signal, 1N4148. . . . .               | 3198 010 10010 | 9510 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6540   | Zener Diode, 6.2 volt. . . . .               | 9331 668 30133 | 9511 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6541   | Zener Diode, 10 volt . . . . .               | 3198 010 21090 | 9512 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6560   | Diode, Rectifier, BYW76 RAS15-10 . . . . .   | 9322 187 13682 | 9513 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6561   | Diode, Rectifier, BYW76 RAS15-10 . . . . .   | 9322 187 13682 | 9514 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6562   | Diode, Rect, EGP20DL-5100 . . . . .          | 9322 164 42682 | 9517 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6563   | Diode, Signal, BAS316. . . . .               | 3198 010 10630 | 9520 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6565   | Diode, Signal, BAV70 . . . . .               | 9331 849 10215 | 9521 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6566   | Diode, Signal, BAS316. . . . .               | 3198 010 10630 | 9522 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6569   | Diode, Signal, BAS316. . . . .               | 3198 010 10630 | 9523 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |
| 6570   | Zener Diode, 6.8 volt. . . . .               | 3198 020 56880 | 9524 | Wire Jumper, 0.58MM. . . . .           | 3198 036 90010 |

S = Safety Part Be sure to use exact replacement part.

## 19PS45S121 (continued)

|      |                      |                |
|------|----------------------|----------------|
| 9611 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9612 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9613 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9614 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9615 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9616 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9617 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9619 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9620 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9621 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9622 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9623 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9624 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9625 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9626 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9627 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9628 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9630 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9631 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9632 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9633 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9634 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9637 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9638 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9639 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9640 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9641 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9642 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9643 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9644 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9645 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9648 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9650 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9653 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9654 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9657 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9658 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9659 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9660 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9661 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9662 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9663 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9664 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9665 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9666 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9668 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9669 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9670 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9672 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9673 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9674 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9675 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9676 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9678 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9679 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9680 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9682 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9683 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9684 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9686 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9687 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9688 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9689 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9690 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9691 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9695 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9697 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9698 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9699 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9811 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9812 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9813 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9815 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9816 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9817 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9818 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9819 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9852 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9890 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9894 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9911 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9912 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9913 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9914 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9915 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9916 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9917 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9921 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9991 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9993 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9994 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9996 | Wire Jumper, 0.58MM. | 3198 036 90010 |

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|------|----------------------|----------------|
| 9997 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9998 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| CBA  | Main Chassis         | 3139 178 69901 |

### Model 19PS45S121 Cabinet Parts

| Model 19PS45S121 Cabinet Parts |   |                |
|--------------------------------|---|----------------|
| S AC01                         | AC Power Cord.                                      | 3135 010 04771 |
| AC03                           | Cabinet, Back.                                      | 3139 124 40942 |
| AC04                           | Cabinet, Front.                                     | 3139 137 83621 |
| AC05                           | Chassis Guide.                                      | 3135 014 00691 |
| AC06                           | Control Buttons.                                    | 3139 137 83601 |
| S AC08                         | CRT A48EAK02X110                                    | 9301 885 00361 |
| AC09                           | Coil, Degaussing                                    | 2422 549 44428 |
| AC10                           | Holder, Degaussing (4 Used)                         | 3135 013 01641 |
| AC11                           | Light Guide.  | 3139 124 36021 |
| AC13                           | Owner's Manual                                      | 3121 235 20501 |
| AC14                           | Power Button  | 3139 137 83611 |
| AC16                           | Speaker, 16 ohm, 5W (2 Used)                        | 2422 264 00411 |
| AC18                           | ITC = Integrated Tube Component, CRT & Yoke Pre-Set | 0000 000 00ITC |
| AC21                           | Battery, 1.5V (2-Pack)                              | 9299 000 65263 |
| AC24                           | Spring, Degaussing Coil (Not Shown)                 | 3139 121 26231 |
| AC32                           | Assembly Braid                                      | 3135 010 07321 |
| AC34                           | Wordmark (Not Shown)                                | 3139 120 01391 |
| REMOTE                         | Remote Transmitter RC19335004/01                    | 3139 228 86462 |

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## Main Chassis

| Main Chassis |   |                |      |   |                |
|--------------|---|----------------|------|---|----------------|
| 0127         | 2 Pin Fuse Socket. . . . .                          | 3122 358 71251 | 2407 | 0.010uF., 5%, 1.6kV, Metalized Polypropylene. . . . . | 2020 301 90249 |
| 0136         | IC-SPRING FOR ITEM 7901 (IC AN7522N). . . . .       | 3104 301 22081 | 2408 | 0.022uF., 50V, Ceramic. . . . .                       | 3198 019 22230 |
| 0138         | IC-SPRING FOR ITEM 7471 (IC TDA9302H). . . . .      | 3104 301 22081 | 2409 | 47uF., 20%, 160V, Electrolytic. . . . .               | 2020 021 91139 |
| 0139         | IC-SPRING 7402. . . . .                             | 3139 121 24581 | 2410 | 470uF., 20%, 16V, Electrolytic. . . . .               | 2020 021 91577 |
| 0211         | 2 Pin Connector (AC Input Plug). . . . .            | 2422 025 16269 | 2411 | 47uF., 20%, 25V, Electrolytic. . . . .                | 2020 021 90586 |
| 0212         | 2 Pin Connector (Degaussing Plug (RED)). . . . .    | 2422 025 16375 | 2412 | 0.033uF., 10%, 100V, Metalized Polyester. . . . .     | 2222 347 90236 |
| 0217         | 3 Pin Connector. . . . .                            | 2412 020 00725 | 2413 | 10uF., 20%, 250V, Electrolytic. . . . .               | 2020 012 93495 |
| 0218         | 3 Pin Connector. . . . .                            | 2422 026 04742 | 2414 | 1000uF., 20%, 16V, Electrolytic. . . . .              | 2020 021 91049 |
| 0220         | 3 Pin Connector. . . . .                            | 2422 025 04851 | 2416 | 820pF., 2kV, 10%, Ceramic. . . . .                    | 2020 558 90486 |
| 0221         | 6 Pin Connector. . . . .                            | 2422 025 15503 | 2417 | 1000uF., 20%, 16V, Electrolytic. . . . .              | 2020 021 91049 |
| 0222         | 2 Pin Connector. . . . .                            | 2422 025 10646 | 2418 | 0.01uF., 50V, Ceramic. . . . .                        | 3198 017 01030 |
| 0223         | 6 Pin Connector. . . . .                            | 2422 026 05184 | 2419 | 1uF., 20%, 50V, Electrolytic. . . . .                 | 2020 021 91147 |
| 0225         | 10 Pin Connector. . . . .                           | 2422 026 04926 | 2420 | 1uF., 20%, 50V, Electrolytic. . . . .                 | 3198 025 51080 |
| 0232         | Headphone Jack. . . . .                             | 2422 026 04747 | 2421 | 0.047uF., 50V, Ceramic. . . . .                       | 3198 017 24730 |
| 0243         | 6 Pin Connector. . . . .                            | 2422 025 04854 | 2422 | 470uF., 20%, 16V, Electrolytic. . . . .               | 2020 021 91577 |
| 0244         | 3 Pin Connector. . . . .                            | 2422 025 04851 | 2423 | 10uF., 20%, 100V, Electrolytic. . . . .               | 2020 021 90813 |
| 0245         | 6 Pin Connector. . . . .                            | 2422 025 04854 | 2471 | 0.1uF., 10%, 50V, Metalized Polyester. . . . .        | 3198 014 01040 |
| 0246         | 5 Pin Connector. . . . .                            | 2422 025 12481 | 2472 | 0.1uF., 10%, 50V, Metalized Polyester. . . . .        | 3198 014 01040 |
| 0254         | 9 Pin CRT Socket (N-NECK). . . . .                  | 2422 500 80067 | 2473 | 100uF., 20%, 50V, Electrolytic. . . . .               | 2020 021 90587 |
| 1000         | Tuner V+U PLL F ENV56D98G3. . . . .                 | 2422 542 90108 | 2475 | 470pF., 50V, Ceramic. . . . .                         | 3198 016 04710 |
| 1002         | 45.75 MHz Saw Filter F072TPL-A. . . . .             | 2422 549 44327 | 2476 | 0.22uF., 10%, 50V, Metalized Polyester. . . . .       | 3198 014 02240 |
| 1200         | 4.5MHz Ceramic Filter, TPS*MB. . . . .              | 2422 549 40807 | 2477 | 470pF., 50V, Ceramic. . . . .                         | 3198 016 04710 |
| 1500         | 5 Amp, 250V, Fuse (5X20). . . . .                   | 2422 086 10905 | 2500 | 0.47uF., 20%, 275V, Metalized Polypropylene. . . . .  | 2022 330 00018 |
| 1515         | 5 Amp, 12V, 1 Pin Relay, G5PA-1. . . . .            | 2422 132 07444 | 2501 | 2200pF., 1kV, Ceramic. . . . .                        | 3198 019 52220 |
| 1600         | Tact Switch. . . . .                                | 2422 128 02742 | 2502 | 2200pF., 1kV, Ceramic. . . . .                        | 3198 019 52220 |
| 1601         | Tact Switch. . . . .                                | 2422 128 02742 | 2503 | 220uF., 20%, 200V, Electrolytic. . . . .              | 2020 024 90557 |
| 1602         | Tact Switch. . . . .                                | 2422 128 02742 | 2504 | 2200pF., 1kV, Ceramic. . . . .                        | 3198 019 52220 |
| 1603         | Tact Switch. . . . .                                | 2422 128 02742 | 2506 | 2200pF., 1kV, Ceramic. . . . .                        | 3198 019 52220 |
| 1606         | Tact Switch. . . . .                                | 2422 128 02742 | 2508 | 470pF., 1kV, 10%, Ceramic. . . . .                    | 3198 019 64710 |
| 1660         | 12MHz, Crystal Resonator, HC49/U A. . . . .         | 2422 543 01203 | 2515 | 1500pF., 250V, 20%, Ceramic. . . . .                  | 2020 554 90172 |
| 1831         | 18.432MHz, Crystal Resonator, HC49/U A. . . . .     | 2422 543 00842 | 2520 | 0.1uF., 16V, Ceramic. . . . .                         | 3198 017 01040 |
| 2004         | 0.047uF., 25V, Ceramic. . . . .                     | 3198 023 04730 | 2521 | 22uF., 20%, 50V, Electrolytic. . . . .                | 3198 025 52290 |
| 2005         | 10uF., 20%, 50V, Electrolytic. . . . .              | 3198 025 51090 | 2522 | 0.1uF., 16V, Ceramic. . . . .                         | 3198 017 01040 |
| 2006         | 470uF., 20%, 16V, Electrolytic. . . . .             | 3198 025 24710 | 2523 | 1500pF., 2kV, 10%, Ceramic. . . . .                   | 2020 558 90489 |
| 2007         | 0.1uF., 25V, Ceramic. . . . .                       | 3198 023 21040 | 2525 | 470pF., 50V, Ceramic. . . . .                         | 3198 017 04710 |
| 2008         | 100uF., 20%, 25V, Electrolytic. . . . .             | 3198 025 31010 | 2526 | 0.001uF., 50V, Ceramic. . . . .                       | 3198 017 01020 |
| 2009         | 0.022uF., 50V, Ceramic. . . . .                     | 3198 017 02230 | 2527 | 470pF., 50V, Ceramic. . . . .                         | 3198 017 04710 |
| 2101         | 0.47uF., 16V, Ceramic. . . . .                      | 3198 017 04740 | 2540 | 0.015uF., 50V, Ceramic. . . . .                       | 3198 017 01530 |
| 2102         | 22pF., 50V, Ceramic. . . . .                        | 3198 016 02290 | 2560 | 1000pF., 1kV, 10%, Ceramic. . . . .                   | 3198 019 61020 |
| 2103         | 330pF., 50V, Ceramic. . . . .                       | 3198 016 03310 | 2561 | 47uF., 20%, 160V, Electrolytic. . . . .               | 2020 021 91358 |
| 2104         | 330pF., 50V, Ceramic. . . . .                       | 3198 016 03310 | 2562 | 1000pF., 50V, Ceramic. . . . .                        | 3198 019 11020 |
| 2105         | 10uF., 20%, 50V, Electrolytic. . . . .              | 3198 025 51090 | 2563 | 0.1uF., 10%, 50V, Metalized Polyester. . . . .        | 3198 014 01040 |
| 2106         | 10uF., 20%, 50V, Electrolytic. . . . .              | 3198 025 51090 | 2564 | 2200uF., 20%, 16V, Electrolytic. . . . .              | 2020 012 93057 |
| 2122         | 330pF., 50V, Ceramic. . . . .                       | 3198 016 03310 | 2565 | 470pF., 1kV, 10%, Ceramic. . . . .                    | 3198 019 64710 |
| 2123         | 2.2uF., 10V, Ceramic. . . . .                       | 3198 017 22250 | 2566 | 47uF., 20%, 25V, Electrolytic. . . . .                | 3198 025 34790 |
| 2124         | 330pF., 50V, Ceramic. . . . .                       | 3198 016 03310 | 2567 | 47uF., 20%, 25V, Electrolytic. . . . .                | 3198 025 34790 |
| 2125         | 2.2uF., 10V, Ceramic. . . . .                       | 3198 017 22250 | 2568 | 1uF., 20%, 50V, Electrolytic. . . . .                 | 3198 025 51080 |
| 2135         | 22pF., 50V, Ceramic. . . . .                        | 3198 016 02290 | 2569 | 470pF., 50V, Ceramic. . . . .                         | 3198 017 04710 |
| 2136         | 22pF., 50V, Ceramic. . . . .                        | 3198 016 02290 | 2580 | 47uF., 20%, 25V, Electrolytic. . . . .                | 3198 025 34790 |
| 2141         | 330pF., 50V, Ceramic. . . . .                       | 3198 016 03310 | 2601 | 0.22uF., 25V, Ceramic. . . . .                        | 3198 023 22240 |
| 2181         | 22pF., 50V, Ceramic. . . . .                        | 3198 016 02290 | 2602 | 100pF., 50V, Ceramic. . . . .                         | 3198 016 01010 |
| 2182         | 330pF., 50V, Ceramic. . . . .                       | 3198 016 03310 | 2606 | 1000pF., 50V, Ceramic. . . . .                        | 3198 016 01020 |
| 2183         | 330pF., 50V, Ceramic. . . . .                       | 3198 016 03310 | 2607 | 33pF., 50V, Ceramic. . . . .                          | 3198 016 03390 |
| 2184         | 2.2uF., 10V, Ceramic. . . . .                       | 3198 017 22250 | 2608 | 0.1uF., 25V, Ceramic. . . . .                         | 3198 023 21040 |
| 2202         | 0.1uF., 25V, Ceramic. . . . .                       | 3198 023 21040 | 2609 | 33pF., 50V, Ceramic. . . . .                          | 3198 016 03390 |
| 2203         | 0.1uF., 25V, Ceramic. . . . .                       | 3198 023 21040 | 2611 | 0.1uF., 25V, Ceramic. . . . .                         | 3198 023 21040 |
| 2204         | 0.1uF., 25V, Ceramic. . . . .                       | 3198 023 21040 | 2612 | 22pF., 50V, Ceramic. . . . .                          | 3198 016 02290 |
| 2205         | 0.22uF., 25V, Ceramic. . . . .                      | 3198 023 22240 | 2613 | 22pF., 50V, Ceramic. . . . .                          | 3198 016 02290 |
| 2208         | 0.1uF., 25V, Ceramic. . . . .                       | 3198 023 21040 | 2615 | 1000pF., 50V, Ceramic. . . . .                        | 3198 016 01020 |
| 2209         | 4.7uF., 20%, 50V, Electrolytic. . . . .             | 3198 025 54780 | 2618 | 0.01uF., 50V, Ceramic. . . . .                        | 3198 017 01030 |
| 2210         | 0.47uF., 20%, 50V, Electrolytic. . . . .            | 3198 025 54770 | 2619 | 1uF., 16V, Ceramic. . . . .                           | 3198 017 21050 |
| 2211         | 0.47uF., 16V, Ceramic. . . . .                      | 3198 017 24740 | 2691 | 100uF., 20%, 25V, Electrolytic. . . . .               | 3198 025 31010 |
| 2216         | 100uF., 20%, 25V, Electrolytic. . . . .             | 3198 025 31010 | 2801 | 22uF., 20%, 50V, Electrolytic. . . . .                | 3198 025 52290 |
| 2217         | 0.022uF., 50V, Ceramic. . . . .                     | 3198 017 02230 | 2802 | 0.22uF., 25V, Ceramic. . . . .                        | 3198 023 22240 |
| 2219         | 0.22uF., 25V, Ceramic. . . . .                      | 3198 023 22240 | 2803 | 2.2uF., 10V, Ceramic. . . . .                         | 3198 017 22250 |
| 2220         | 0.47uF., 10%, 50V, Metalized Polyester. . . . .     | 3198 014 04740 | 2804 | 4.7uF., 10V, Ceramic. . . . .                         | 2020 552 96305 |
| 2221         | 0.022uF., 50V, Ceramic. . . . .                     | 3198 017 22230 | 2805 | 4.7uF., 10V, Ceramic. . . . .                         | 2020 552 96305 |
| 2233         | 820pF., 50V, Ceramic. . . . .                       | 3198 016 08210 | 2831 | 1pF., 50V, Ceramic. . . . .                           | 3198 016 01080 |
| 2241         | 4700pF., 50V, Ceramic. . . . .                      | 3198 017 04720 | 2832 | 1pF., 50V, Ceramic. . . . .                           | 3198 016 01080 |
| 2242         | 1uF., 16V, Ceramic. . . . .                         | 3198 017 21050 | 2833 | 47pF., 50V, Ceramic. . . . .                          | 3198 016 04790 |
| 2243         | 2200pF., 50V, Ceramic. . . . .                      | 3198 017 02220 | 2834 | 470pF., 50V, Ceramic. . . . .                         | 3198 016 04710 |
| 2244         | 0.1uF., 10%, 63V, Metalized Polyester. . . . .      | 2222 370 75104 | 2835 | 220pF., 50V, Ceramic. . . . .                         | 3198 016 02210 |
| 2245         | 0.22uF., 25V, Ceramic. . . . .                      | 3198 023 22240 | 2836 | 1500pF., 50V, Ceramic. . . . .                        | 3198 017 01520 |
| 2247         | 100uF., 20%, 25V, Electrolytic. . . . .             | 3198 025 31010 | 2837 | 4.7uF., 20%, 50V, Electrolytic. . . . .               | 3198 025 54780 |
| 2248         | 0.022uF., 50V, Ceramic. . . . .                     | 3198 017 02230 | 2838 | 47pF., 50V, Ceramic. . . . .                          | 3198 016 04790 |
| 2249         | 0.022uF., 50V, Ceramic. . . . .                     | 3198 017 02230 | 2839 | 47pF., 50V, Ceramic. . . . .                          | 3198 016 04790 |
| 2250         | 2.2uF., 20%, 50V, Electrolytic. . . . .             | 3198 025 52280 | 2840 | 0.1uF., 25V, Ceramic. . . . .                         | 3198 023 21040 |
| 2252         | 1000pF., 50V, Ceramic. . . . .                      | 3198 016 01020 | 2841 | 10uF., 20%, 50V, Electrolytic. . . . .                | 3198 025 51090 |
| 2253         | 1000pF., 50V, Ceramic. . . . .                      | 3198 016 01020 | 2842 | 0.1uF., 25V, Ceramic. . . . .                         | 3198 023 21040 |
| 2254         | 100pF., 50V, Ceramic. . . . .                       | 3198 016 01010 | 2843 | 10uF., 20%, 50V, Electrolytic. . . . .                | 3198 025 51090 |
| 2313         | 220pF., 50V, Ceramic. . . . .                       | 3198 016 02210 | 2844 | 10uF., 20%, 50V, Electrolytic. . . . .                | 3198 025 51090 |
| 2323         | 390pF., 50V, Ceramic. . . . .                       | 3198 016 03910 | 2845 | 0.1uF., 25V, Ceramic. . . . .                         | 3198 023 21040 |
| 2331         | 390pF., 50V, Ceramic. . . . .                       | 3198 016 03910 | 2846 | 100uF., 20%, 25V, Electrolytic. . . . .               | 3198 025 31010 |
| 2341         | 2200pF., 1kV, 10%, Ceramic. . . . .                 | 2020 558 90571 | 2849 | 1000pF., 50V, Ceramic. . . . .                        | 3198 016 01020 |
| 2342         | 0.047uF., 10%, 250V Metalized Polyester. . . . .    | 2222 365 45473 | 2850 | 1000pF., 50V, Ceramic. . . . .                        | 3198 016 01020 |
| 2343         | 0.047uF., 10%, 250V Metalized Polyester. . . . .    | 2222 365 45473 | 2851 | 4.7uF., 10V, Ceramic. . . . .                         | 2020 552 96305 |
| 2401         | 680pF., 50V, Ceramic. . . . .                       | 3198 019 16810 | 2852 | 1000pF., 50V, Ceramic. . . . .                        | 3198 016 01020 |
| 2402         | 0.68uF., 5%, 250V, Metalized Polypropylene. . . . . | 2222 479 90027 | 2853 | 4.7uF., 10V, Ceramic. . . . .                         | 2020 552 96305 |
| 2406         | 330pF., 50V, Ceramic. . . . .                       | 3198 016 03310 | 2854 | 1000pF., 50V, Ceramic. . . . .                        | 3198 016 01020 |
|              |   |                | 2855 | 33pF., 50V, Ceramic. . . . .                          | 3198 019 03390 |

S = Safety Part Be sure to use exact replacement part.

# 19PS50S121 (continued)

|      |  |                |      |  |                |
|------|--|----------------|------|--|----------------|
| 2856 | 47pF., 50V, Ceramic . . . . .                | 3198 016 04790 | 3333 | 10 ohm, 5% . . . . .   | 3198 021 51090 |
| 2857 | 150pF., 50V, Ceramic . . . . .               | 3198 016 01510 | 3334 | 18k, 5%, Metal Film. . . . .                                     | 2322 195 63183 |
| 2860 | 180pF., 50V, Ceramic . . . . .               | 3198 016 01810 | 3336 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 |
| 2894 | 220pF., 50V, Ceramic . . . . .               | 3198 016 02210 | 3337 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 |
| 2895 | 560pF., 50V, Ceramic . . . . .               | 3198 016 05610 | 3341 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 |
| 2897 | 390pF., 50V, Ceramic . . . . .               | 3198 016 03910 | 3347 | 220 ohm, 5% Fusible Resistor NFR25 . . . . .                     | 2306 204 03221 |
| 2898 | 0.01uF., 50V, Ceramic . . . . .              | 3198 017 01030 | 3348 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 |
| 2902 | 470uF., 20%, 25V, Electrolytic . . . . .     | 3198 026 34710 | 3349 | 1.2 ohm, 5% Fusible Resistor NFR25 . . . . .                     | 2306 204 03128 |
| 2903 | 1uF., 20%, 50V, Electrolytic . . . . .       | 3198 025 51080 | 3350 | 1.2 ohm, 5% Fusible Resistor NFR25 . . . . .                     | 2306 204 03128 |
| 2904 | 0.47uF., 16V, Ceramic . . . . .              | 3198 017 24740 | 3401 | 330k, 5% . . . . .   | 2322 242 13334 |
| 2905 | 1000pF., 50V, Ceramic . . . . .              | 3198 016 01020 | 3402 | 18k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01830 |
| 2906 | 0.47uF., 16V, Ceramic . . . . .              | 3198 017 24740 | 3403 | 22 ohm, 5%, 3W, Power Resistor . . . . .                         | 3198 012 32290 |
| 2907 | 1000pF., 50V, Ceramic . . . . .              | 3198 016 01020 | 3404 | 6.8 ohm, 5%, Fusible Resistor NFR25 . . . . .                    | 2306 204 03688 |
| 2908 | 10uF., 20%, 50V, Electrolytic . . . . .      | 3198 025 51090 | 3406 | 10k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01030 |
| 2981 | 100uF., 20%, 25V, Electrolytic . . . . .     | 3198 025 31010 | 3407 | 220 ohm, 5%, 3W, Power Resistor. . . . .                         | 3198 012 32210 |
| 2982 | 470pF., 50V, Ceramic . . . . .               | 3198 016 04710 | 3408 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 |
| 2983 | 100uF., 20%, 25V, Electrolytic . . . . .     | 3198 025 31010 | 3410 | 33k, 5% . . . . .  | 3198 021 53330 |
| 2984 | 470pF., 50V, Ceramic . . . . .               | 3198 016 04710 | 3411 | 10 ohm, 5% Fusible Resistor NFR25 . . . . .                      | 2306 204 03109 |
| 3000 | 100 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 01010 | 3412 | 3.3k, 1%, Metal Film . . . . .                                   | 2322 156 23302 |
| 3001 | 100 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 01010 | 3413 | 10k, 5% . . . . .  | 3198 021 51030 |
| 3002 | Zero ohm "Chip" Jumper . . . . .             | 3198 021 90020 | 3414 | 1.5k, 1%, Metal Film . . . . .                                   | 2322 156 21502 |
| 3003 | 1.5k, 5% . . . . .                           | 3198 021 51520 | 3415 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 |
| 3004 | 8.2k, 5% . . . . .                           | 3198 021 58220 | 3416 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 |
| 3005 | 100 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 01010 | 3417 | 33k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 03330 |
| 3101 | 68 ohm, 5%, 1/6W Carbon. . . . .             | 3198 011 06890 | 3418 | 33k, 5% . . . . .  | 3198 021 53330 |
| 3102 | 1k, 5% . . . . .                             | 3198 021 51020 | 3419 | 6.8k, 5% . . . . .   | 3198 021 56820 |
| 3103 | 150 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 01510 | 3420 | 33k, 5% . . . . .  | 3198 021 53330 |
| 3104 | 220k, 5% . . . . .                           | 3198 021 52240 | 3421 | 6.8 ohm, 5%, 2W, Power Resistor. . . . .                         | 3198 012 26880 |
| 3105 | 150 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 01510 | 3422 | 100 ohm, 5% . . . . .  | 3198 021 51010 |
| 3106 | 220k, 5% . . . . .                           | 3198 021 52240 | 3423 | 820 ohm, 5% . . . . .  | 3198 021 58210 |
| 3123 | 150 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 01510 | 3424 | 100 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01010 |
| 3124 | 47k, 5% . . . . .                            | 3198 021 54730 | 3425 | 15k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01530 |
| 3125 | 150 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 01510 | 3426 | 1M, 5% . . . . .   | 3198 021 51050 |
| 3126 | 47k, 5% . . . . .                            | 3198 021 54730 | 3427 | 12k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01230 |
| 3135 | 75 ohm, 5%, 1/6W Carbon. . . . .             | 3198 011 07590 | 3428 | 39 ohm, 5% Fusible Resistor NFR25H . . . . .                     | 2306 207 03399 |
| 3136 | 100 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 01010 | 3431 | Zero ohm "Chip" Jumper . . . . .                                 | 3198 021 90020 |
| 3137 | 75 ohm, 5%, 1/6W Carbon. . . . .             | 3198 011 07590 | 3432 | 22 ohm, 5%, 1/6W Carbon. . . . .                                 | 3198 011 02290 |
| 3138 | 100 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 01010 | 3471 | 3.9 ohm, 1%, Metal Film. . . . .                                 | 2322 156 23908 |
| 3141 | 1k, 5%, 1/6W Carbon. . . . .                 | 3198 011 01020 | 3472 | 3.9 ohm, 1%, Metal Film. . . . .                                 | 2322 156 23908 |
| 3181 | 75 ohm, 5%, 1/6W Carbon. . . . .             | 3198 011 07590 | 3473 | 2.2k, 1%, Metal Film . . . . .                                   | 2322 156 22202 |
| 3182 | 100 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 01010 | 3474 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 |
| 3183 | 150 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 01510 | 3475 | 2.2k, 1%, Metal Film . . . . .                                   | 2322 156 22202 |
| 3184 | 47k, 5% . . . . .                            | 3198 021 54730 | 3476 | 1.5 ohm, 5%, Fusible Resistor NFR25 . . . . .                    | 2306 204 03158 |
| 3185 | 150 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 01510 | 3477 | 220 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02210 |
| 3186 | 47k, 5% . . . . .                            | 3198 021 54730 | 3478 | 220 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02210 |
| 3200 | 390 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 03910 | 3479 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 |
| 3201 | 100 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 01010 | 3500 | 3.3Meg, 5% . . . . .   | 2322 242 13335 |
| 3202 | 100 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 01010 | 3501 | 3.3Meg, 5% . . . . .   | 2322 242 13335 |
| 3203 | 100 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 01010 | 3502 | 4.7 ohm, 20%, 3.1W, Negative Temperature<br>Coefficient. . . . . | 2122 612 00055 |
| 3204 | 10k, 5%, 1/6W Carbon . . . . .               | 3198 011 01030 | 3503 | 10 ohm, 30%, 120V, Positive Temperature<br>Coefficient. . . . .  | 2120 661 00026 |
| 3206 | 100k, 5% . . . . .                           | 3198 021 51040 | 3506 | Jumper Wire. . . . .   | 0322 179 00003 |
| 3207 | 1k, 5%, 1/6W Carbon. . . . .                 | 3198 011 01020 | 3507 | Surge Protector DSP-301N-A21F. . . . .                           | 2422 549 43073 |
| 3208 | 220 ohm, 5% . . . . .                        | 3198 021 52210 | 3508 | 1.5Meg, 5% . . . . .   | 2322 242 13155 |
| 3209 | 68 ohm, 5% . . . . .                         | 3198 021 56890 | 3519 | 270 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02710 |
| 3212 | 470 ohm, 5% . . . . .                        | 3198 021 54710 | 3520 | 1.2k, 5% . . . . .   | 3198 021 51220 |
| 3213 | 560 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 05610 | 3521 | 22 ohm, 5%, 1/6W Carbon. . . . .                                 | 3198 011 02290 |
| 3217 | 330k, 5% . . . . .                           | 3198 021 53340 | 3522 | 330k, 5% . . . . .   | 3198 021 53340 |
| 3218 | 82k, 5% . . . . .                            | 3198 021 58230 | 3523 | 100 ohm, 5%, Fusible Resistor NFR25 . . . . .                    | 2306 204 03101 |
| 3219 | 2.2k, 5% . . . . .                           | 3198 021 52220 | 3524 | 56k, 5% . . . . .  | 3198 021 55630 |
| 3220 | 100 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 01010 | 3525 | 1k, 5% . . . . .   | 3198 021 51020 |
| 3221 | 560 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 05610 | 3526 | 0.15 ohm, 5%, 1W, Power Resistor . . . . .                       | 3198 012 11570 |
| 3222 | 100 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 01010 | 3527 | 2.2k ohm, 5%, Fusible Resistor NFR25 . . . . .                   | 2306 204 03222 |
| 3226 | 560 ohm, 5% . . . . .                        | 3198 021 55610 | 3528 | 10k, 5% . . . . .  | 3198 021 51030 |
| 3235 | 100 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 01010 | 3529 | 47k, 5% . . . . .  | 3198 021 54730 |
| 3241 | 22k, 5% . . . . .                            | 3198 021 52230 | 3530 | 4.7k, 5% . . . . .   | 3198 021 54720 |
| 3242 | 27k, 5% . . . . .                            | 3198 021 52730 | 3531 | Zero ohm "Chip" Jumper . . . . .                                 | 3198 021 90020 |
| 3244 | 820 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 08210 | 3541 | 470 ohm, 5% . . . . .  | 3198 021 54710 |
| 3245 | 39k, 5% . . . . .                            | 3198 021 53930 | 3542 | 1.5k, 5% . . . . .   | 3198 021 51520 |
| 3246 | 10k, 5% . . . . .                            | 3198 021 51030 | 3543 | 82k, 1%, Metal Film. . . . .                                     | 2322 156 28203 |
| 3247 | 220k, 5% . . . . .                           | 3198 021 52240 | 3544 | 6.8k, 1%, Metal Film . . . . .                                   | 2322 156 26802 |
| 3248 | 27k, 5% . . . . .                            | 3198 021 52730 | 3545 | 82k, 5% . . . . .  | 3198 021 58230 |
| 3249 | 820 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 08210 | 3546 | Zero ohm "Chip" Jumper . . . . .                                 | 3198 021 90020 |
| 3251 | 100 ohm, 5%, 1/6W Carbon . . . . .           | 3198 011 01010 | 3547 | 0.33 ohm, 5%, 1W, Power Resistor . . . . .                       | 3198 012 13370 |
| 3254 | 1M, 5% . . . . .                             | 3198 021 51050 | 3548 | 8.2k, 5% . . . . .   | 3198 021 58220 |
| 3256 | 1k, 5% . . . . .                             | 3198 021 51020 | 3549 | 470 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 04710 |
| 3257 | 10Meg, 5% . . . . .                          | 3198 021 51060 | 3552 | 10k, 5% . . . . .  | 3198 021 51030 |
| 3258 | 330k, 5% . . . . .                           | 3198 021 53340 | 3559 | 1k, 5% . . . . .   | 3198 021 51020 |
| 3259 | 470k, 5% . . . . .                           | 3198 021 54740 | 3560 | 47 ohm, 5%, 1/6W Carbon. . . . .                                 | 3198 011 04790 |
| 3311 | 3.9k, 5% . . . . .                           | 3198 021 53920 | 3561 | 220 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02210 |
| 3312 | 330 ohm, 5% . . . . .                        | 3198 021 53310 | 3562 | 10k, 5% . . . . .  | 3198 021 51030 |
| 3313 | 10 ohm, 5% . . . . .                         | 3198 021 51090 | 3563 | 4.7k, 5% . . . . .   | 3198 021 54720 |
| 3314 | 18k, 5%, Metal Film. . . . .                 | 2322 195 63183 | 3564 | 0.1 ohm, 5%, 2W, Power Resistor. . . . .                         | 3198 012 21070 |
| 3316 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . . | 2306 204 03689 | 3565 | 330 ohm, 5%, 1W, Power Resistor. . . . .                         | 3198 012 13310 |
| 3317 | 1.5k, 20%, 1/2W Carbon . . . . .             | 3198 013 01520 | 3566 | 2.2k, 5% . . . . .   | 3198 021 52220 |
| 3321 | 3.9k, 5% . . . . .                           | 3198 021 53920 | 3567 | 2.2k, 5% . . . . .   | 3198 021 52220 |
| 3322 | 330 ohm, 5% . . . . .                        | 3198 021 53310 | 3568 | 8.2k, 5% . . . . .   | 3198 021 58220 |
| 3323 | 10 ohm, 5% . . . . .                         | 3198 021 51090 | 3569 | 5.6k, 5% . . . . .   | 3198 021 55620 |
| 3324 | 18k, 5%, Metal Film. . . . .                 | 2322 195 63183 | 3580 | 47k, 5% . . . . .  | 3198 021 54730 |
| 3326 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . . | 2306 204 03689 | 3601 | 8.2k, 5%, 1/6W Carbon. . . . .                                   | 3198 011 08220 |
| 3327 | 1.5k, 20%, 1/2W Carbon . . . . .             | 3198 013 01520 | 3603 | 100 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01010 |
| 3331 | 3.9k, 5% . . . . .                           | 3198 021 53920 |      |  |                |
| 3332 | 330 ohm, 5% . . . . .                        | 3198 021 53310 |      |  |                |

# 19PS50S121 (continued)

|      |                                      |                |      |   |                |
|------|--------------------------------------|----------------|------|---|----------------|
| 3604 | 100 ohm, 5%, 1/6W Carbon . . . . .   | 3198 011 01010 | 5002 | Fixed Inductor, 0.82uH, 10%. . . . .            | 3198 018 18270 |
| 3605 | 4.7k, 5% . . . . .                   | 3198 021 54720 | 5201 | Fixed Inductor, 6.8uH, 5%. . . . .              | 3198 018 16880 |
| 3606 | 2.2k, 5%, 1/6W Carbon. . . . .       | 3198 011 02220 | 5202 | Fixed Inductor, 10uH, 10%. . . . .              | 3198 018 21090 |
| 3607 | 2.2k, 5%, 1/6W Carbon. . . . .       | 3198 011 02220 | 5241 | Fixed Inductor, 10uH, 10%. . . . .              | 3198 018 21090 |
| 3608 | 100 ohm, 5%, 1/6W Carbon . . . . .   | 3198 011 01010 | 5242 | Fixed Inductor, 10uH, 5% . . . . .              | 3198 018 11090 |
| 3609 | 1k, 5%, 1/6W Carbon. . . . .         | 3198 011 01020 | 5341 | Fixed Inductor, 22uH, 5% SPT0508 . . . . .      | 2422 535 95365 |
| 3610 | 8.2k, 5%, 1/6W Carbon. . . . .       | 3198 011 08220 | 5342 | Fixed Inductor Bead, 100MHz. . . . .            | 3198 018 90010 |
| 3611 | 100 ohm, 5%. . . . .                 | 3198 021 51010 | 5408 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .      | 2422 535 95366 |
| 3618 | 6.8k, 5%, 1/6W Carbon. . . . .       | 3198 011 06820 | 5410 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .      | 2422 535 95366 |
| 3622 | 100 ohm, 5%. . . . .                 | 3198 021 51010 | 5444 | Signal Driver Transformer SC10009-03. . . . .   | 2422 531 02446 |
| 3623 | 4.7k, 5% . . . . .                   | 3198 021 54720 | 5445 | LOT Transformer MSL0T4 . . . . .                | 3128 138 21541 |
| 3624 | 100 ohm, 5%, 1/6W Carbon . . . . .   | 3198 011 01010 | 5502 | AC Filter. . . . .                              | 2422 549 44284 |
| 3625 | 100 ohm, 5%, 1/6W Carbon . . . . .   | 3198 011 01010 | 5521 | Fixed Inductor Bead, 100MHz. . . . .            | 3198 018 90010 |
| 3626 | 4.7k, 5% . . . . .                   | 3198 021 54720 | 5560 | Fixed Inductor Bead, 100MHz. . . . .            | 3198 018 90010 |
| 3627 | 4.7k, 5% . . . . .                   | 3198 021 54720 | 5561 | Fixed Inductor, 27uH, 10%. . . . .              | 3198 018 22790 |
| 3628 | 10k, 5%. . . . .                     | 3198 021 51030 | 5562 | Fixed Inductor Bead, 100MHz. . . . .            | 3198 018 90010 |
| 3630 | 2.2k, 5% . . . . .                   | 3198 021 52220 | 5563 | Fixed Inductor Bead, 100MHz. . . . .            | 3198 018 90010 |
| 3632 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 5602 | Fixed Inductor, 5.6uH, 5%. . . . .              | 3198 018 15680 |
| 3635 | 100 ohm, 5%, 1/6W Carbon . . . . .   | 3198 011 01010 | 5603 | Fixed Inductor, 5.6uH, 5%. . . . .              | 3198 018 15680 |
| 3636 | 100 ohm, 5%. . . . .                 | 3198 021 51010 | 5604 | Fixed Inductor, 5.6uH, 5%. . . . .              | 3198 018 15680 |
| 3681 | 390 ohm, 5%. . . . .                 | 3198 021 53910 | 5831 | Fixed Inductor, 6.8uH, 5%. . . . .              | 3198 018 16880 |
| 3682 | 3.3k, 5% . . . . .                   | 3198 021 53320 | 5832 | Fixed Inductor, 6.8uH, 5%. . . . .              | 3198 018 16880 |
| 3683 | 390 ohm, 5%. . . . .                 | 3198 021 53910 | 5833 | Fixed Inductor, 6.8uH, 5%. . . . .              | 3198 018 16880 |
| 3684 | 560 ohm, 5%. . . . .                 | 3198 021 55610 | 5835 | Fixed Inductor 12uH, 10% . . . . .              | 3198 018 31290 |
| 3685 | 560 ohm, 5%. . . . .                 | 3198 021 55610 | 6001 | Diode Regulator, BZX79-C33 (33Volt). . . . .    | 3198 010 23390 |
| 3686 | 1.5k, 5% . . . . .                   | 3198 021 51520 | 6201 | Diode, BAV21 . . . . .                          | 3198 010 10630 |
| 3691 | 330 ohm, 5%. . . . .                 | 3198 021 53310 | 6202 | Diode, BAS316 . . . . .                         | 3198 010 10630 |
| 3693 | 220 ohm, 5%. . . . .                 | 3198 021 52210 | 6206 | Diode Regulator, BZX384-C6V8 (6.8Volt). . . . . | 3198 020 56880 |
| 3694 | 4.7k, 5% . . . . .                   | 3198 021 54720 | 6241 | Diode Regulator, BZX384-C6V8 (6.8Volt). . . . . | 3198 020 56880 |
| 3801 | 220 ohm, 5%, 1/6W Carbon . . . . .   | 3198 011 02210 | 6311 | Diode, BAV21 . . . . .                          | 3198 010 10070 |
| 3802 | 1k, 5%, 1/6W Carbon. . . . .         | 3198 011 01020 | 6321 | Diode, BAV21 . . . . .                          | 3198 010 10070 |
| 3803 | 100k, 5% . . . . .                   | 3198 021 51040 | 6331 | Diode, BAV21 . . . . .                          | 3198 010 10070 |
| 3804 | 82k, 5%. . . . .                     | 3198 021 58230 | 6341 | Diode, BAV21 . . . . .                          | 3198 010 10070 |
| 3805 | 1k, 5% . . . . .                     | 3198 021 51020 | 6342 | Diode, 1N4148. . . . .                          | 3198 010 10010 |
| 3806 | 100k, 5% . . . . .                   | 3198 021 51040 | 6343 | Diode Regulator, BZX384-C8V2 (8.2Volt). . . . . | 3198 020 58280 |
| 3807 | 82k, 5%. . . . .                     | 3198 021 58230 | 6401 | Diode, BAV21 . . . . .                          | 3198 010 10070 |
| 3808 | 1k, 5%, 1/6W Carbon. . . . .         | 3198 011 01020 | 6402 | Diode Rectifier, BYV27-200 . . . . .            | 9322 126 72673 |
| 3831 | 47k, 5%. . . . .                     | 3198 021 54730 | 6404 | Diode Rectifier, BYD33D. . . . .                | 9337 410 30133 |
| 3832 | 100 ohm, 5%, 1/6W Carbon . . . . .   | 3198 011 01010 | 6405 | Diode Rectifier, BYD33D. . . . .                | 9337 234 00133 |
| 3833 | 100 ohm, 5%, 1/6W Carbon . . . . .   | 3198 011 01010 | 6406 | Diode, BAV70. . . . .                           | 9331 849 10215 |
| 3836 | 1k, 5%, 1/6W Carbon. . . . .         | 3198 011 01020 | 6407 | Diode, BAS316 . . . . .                         | 3198 010 10630 |
| 3837 | 100 ohm, 5%, 1/6W Carbon . . . . .   | 3198 011 01010 | 6408 | Diode, BAS316 . . . . .                         | 3198 010 10630 |
| 3838 | 1k, 5% . . . . .                     | 3198 021 51020 | 6409 | Diode Rectifier, BYD33D. . . . .                | 9337 234 00133 |
| 3839 | 100 ohm, 5%, 1/6W Carbon . . . . .   | 3198 011 01010 | 6410 | Diode Rectifier, BYD33D. . . . .                | 9337 234 00133 |
| 3843 | 2.2k, 5% . . . . .                   | 3198 021 52220 | 6413 | Diode, 1N4148. . . . .                          | 3198 010 10010 |
| 3901 | 1k, 5% . . . . .                     | 3198 021 51020 | 6414 | Diode Regulator, BZX79-B6V2 (6.2Volt). . . . .  | 9331 668 30133 |
| 3902 | 3.3k, 5% . . . . .                   | 3198 021 53320 | 6415 | Diode, BAS316 . . . . .                         | 3198 010 10630 |
| 3903 | 3.3k, 5% . . . . .                   | 3198 021 53320 | 6419 | Diode Regulator, BZX79-C5V6 (5.6Volt). . . . .  | 3198 010 25680 |
| 3904 | 10k, 5%. . . . .                     | 3198 021 51030 | 6420 | Diode Regulator, BZX79-C9V1 (9.1Volt). . . . .  | 9331 177 80133 |
| 3905 | 3.3k, 5% . . . . .                   | 3198 021 53320 | 6423 | Diode Rectifier, BYD33D. . . . .                | 9337 234 00133 |
| 3906 | 10k, 5%. . . . .                     | 3198 021 51030 | 6471 | Diode Rectifier, BYD33D. . . . .                | 9337 234 00133 |
| 3907 | 8.2k, 5% . . . . .                   | 3198 021 58220 | 6500 | Diode Rectifier, 1N5062. . . . .                | 3198 010 10120 |
| 3981 | 120 ohm, 5%, 1/6W Carbon . . . . .   | 3198 011 01210 | 6501 | Diode Rectifier, 1N5062. . . . .                | 3198 010 10120 |
| 3982 | 120 ohm, 5%, 1/6W Carbon . . . . .   | 3198 011 01210 | 6502 | Diode Rectifier, 1N5062. . . . .                | 3198 010 10120 |
| 4001 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 6503 | Diode Rectifier, 1N5062. . . . .                | 3198 010 10120 |
| 4002 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 6520 | Diode Rectifier, BYD33D. . . . .                | 9337 234 00133 |
| 4101 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 6523 | Diode, 1N4148. . . . .                          | 3198 010 10010 |
| 4102 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 6540 | Diode Regulator, BZX79-B6V2 (6.2Volt). . . . .  | 9331 668 30133 |
| 4104 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 6541 | Diode Regulator, BZX79-C10 (10Volt). . . . .    | 3198 010 21090 |
| 4121 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 6560 | Diode Rectifier, BYW76-RAS15/10. . . . .        | 9322 127 32682 |
| 4181 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 6561 | Diode Rectifier, BYW76-RAS15/10. . . . .        | 9322 127 32682 |
| 4209 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 6562 | Diode Rectifier, EGP20DL-5100. . . . .          | 9322 164 42682 |
| 4216 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 6563 | Diode, BAS316 . . . . .                         | 3198 010 10630 |
| 4217 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 6565 | Diode, BAV70. . . . .                           | 9331 849 10215 |
| 4410 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 6566 | Diode, BAS316 . . . . .                         | 3198 010 10630 |
| 4501 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 6569 | Diode, BAS316 . . . . .                         | 3198 010 10630 |
| 4613 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 6570 | Diode Regulator, BZX384-C6V8 (6.8Volt). . . . . | 3198 020 56880 |
| 4614 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 6580 | Diode, BAS316 . . . . .                         | 3198 010 10630 |
| 4615 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 6581 | Diode, BAS316 . . . . .                         | 3198 010 10630 |
| 4616 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 6681 | Diode, BAT85 . . . . .                          | 9336 247 60133 |
| 4617 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 6691 | LED, VS LTL-10224WHCR. . . . .                  | 9322 050 99682 |
| 4618 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 6692 | IR Receiver, TSOP1836UH3V. . . . .              | 9322 127 54667 |
| 4619 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 6831 | Diode, 1N4148. . . . .                          | 3198 010 10010 |
| 4622 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 6901 | Diode, BAS316 . . . . .                         | 3198 010 10630 |
| 4623 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 7101 | Transistor BC847B . . . . .                     | 3198 010 42030 |
| 4691 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 7200 | IC, 1US1 Software Cluster. . . . .              | 9352 699 87557 |
| 4692 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 7201 | Transistor BC847B . . . . .                     | 3198 010 42030 |
| 4693 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 7204 | Transistor BC857B . . . . .                     | 3198 010 42150 |
| 4802 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 7205 | Transistor BC857B . . . . .                     | 3198 010 42150 |
| 4804 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 7241 | Transistor PDTA114ET. . . . .                   | 3198 010 44010 |
| 4811 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 7311 | Transistor BF422 . . . . .                      | 3198 020 43010 |
| 4812 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 7312 | Transistor BF422 . . . . .                      | 3198 020 43010 |
| 4813 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 7313 | Transistor BF423 . . . . .                      | 3198 020 43020 |
| 4814 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 7321 | Transistor BF422 . . . . .                      | 3198 020 43010 |
| 4831 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 7322 | Transistor BF422 . . . . .                      | 3198 020 43010 |
| 4833 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 7323 | Transistor BF423 . . . . .                      | 3198 020 43020 |
| 4835 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 7331 | Transistor BF422 . . . . .                      | 3198 020 43010 |
| 4901 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 7332 | Transistor BF422 . . . . .                      | 3198 020 43010 |
| 4903 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 7333 | Transistor BF423 . . . . .                      | 3198 020 43020 |
| 4911 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 7401 | Transistor PDTCL43ZT. . . . .                   | 9340 547 00215 |
| 4982 | Zero ohm "Chip" Jumper . . . . .     | 3198 021 90020 | 7402 | Power Transistor BUT11APX-1200 . . . . .        | 9340 563 21127 |
| 5001 | Fixed Inductor, 5.6uH, 10% . . . . . | 3198 018 25680 | 7403 | Transistor BC337-25. . . . .                    | 3198 020 43530 |

S = Safety Part Be sure to use exact replacement part.

## 19PS50S121 (continued)

|      |                                    |      |     |       |
|------|------------------------------------|------|-----|-------|
| 7404 | Transistor BC636 . . . . .         | 9332 | 219 | 50126 |
| 7405 | Transistor BC857B . . . . .        | 3198 | 010 | 42150 |
| 7406 | Transistor BC857B . . . . .        | 3198 | 010 | 42150 |
| 7407 | Power Transistor BD135-16. . . . . | 3198 | 020 | 41190 |
| 7408 | Power Transistor BD135-17. . . . . | 3198 | 020 | 41190 |
| 7409 | Transistor BC857B . . . . .        | 3198 | 010 | 42150 |
| 7471 | IC, TDA9302H . . . . .             | 9322 | 088 | 25682 |
| 7515 | Opto-Coupler, TCET1103(G). . . . . | 9322 | 140 | 14667 |
| 7520 | IC, TEA1507P/N1. . . . .           | 9352 | 673 | 56112 |
| 7521 | Power FET, STP5NC50FP. . . . .     | 9322 | 160 | 71687 |
| 7522 | Transistor BC847B . . . . .        | 3198 | 010 | 42030 |
| 7540 | Transistor BC547B. . . . .         | 3198 | 020 | 40030 |
| 7541 | Transistor PDTCL14ET. . . . .      | 9340 | 310 | 10215 |
| 7542 | Transistor BC857B . . . . .        | 3198 | 010 | 42150 |
| 7560 | IC, L78L33ACZ. . . . .             | 9322 | 134 | 92676 |
| 7561 | Transistor PDTCL143ZT. . . . .     | 9340 | 547 | 00215 |
| 7562 | Transistor BC857B . . . . .        | 3198 | 010 | 42150 |
| 7564 | Transistor BC857B . . . . .        | 3198 | 010 | 42150 |
| 7580 | Transistor BC857B . . . . .        | 3198 | 010 | 42150 |
| 7602 | IC M24C16-WBN6 . . . . .           | 9322 | 147 | 25682 |
| 7801 | IC, HEF4052BT. . . . .             | 9333 | 729 | 50653 |
| 7802 | IC, HEF4053BT. . . . .             | 9333 | 729 | 60653 |
| 7803 | Transistor BC847B . . . . .        | 3198 | 010 | 42030 |
| 7804 | Transistor BC847B . . . . .        | 3198 | 010 | 42030 |
| 7831 | IC MSP3445G-PO-B8. . . . .         | 9322 | 160 | 81682 |
| 7901 | IC, AN7522N. . . . .               | 9322 | 158 | 65667 |
| 9121 | Jumper Wire. . . . .               | 0322 | 179 | 00003 |
| 9122 | Jumper Wire. . . . .               | 0322 | 179 | 00003 |
| 9181 | Jumper Wire. . . . .               | 0322 | 179 | 00003 |
| 9403 | Jumper Wire. . . . .               | 0322 | 179 | 00003 |
| 9618 | Jumper Wire. . . . .               | 0322 | 179 | 00003 |
| 9696 | Jumper Wire. . . . .               | 0322 | 179 | 00003 |
| 9820 | Jumper Wire. . . . .               | 0322 | 179 | 00003 |
| 9821 | Jumper Wire. . . . .               | 0322 | 179 | 00003 |
| 9822 | Jumper Wire. . . . .               | 0322 | 179 | 00003 |
| 9824 | Jumper Wire. . . . .               | 0322 | 179 | 00003 |
| 9825 | Jumper Wire. . . . .               | 0322 | 179 | 00003 |
| 9826 | Jumper Wire. . . . .               | 0322 | 179 | 00003 |
| 9827 | Jumper Wire. . . . .               | 0322 | 179 | 00003 |
| 9828 | Jumper Wire. . . . .               | 0322 | 179 | 00003 |
| 9829 | Jumper Wire. . . . .               | 0322 | 179 | 00003 |
| 9830 | Jumper Wire. . . . .               | 0322 | 179 | 00003 |
| 9832 | Jumper Wire. . . . .               | 0322 | 179 | 00003 |
| 9833 | Jumper Wire. . . . .               | 0322 | 179 | 00003 |
| 9913 | Jumper Wire. . . . .               | 0322 | 179 | 00003 |
| 9914 | Jumper Wire. . . . .               | 0322 | 179 | 00003 |
| CBA  | Main Chassis . . . . .             | 3139 | 127 | 29851 |

### Model 19PS50S/121 Cabinet Parts

|                                 |  |      |     |       |
|---------------------------------|--|------|-----|-------|
| Model 19PS50S/121 Cabinet Parts |  |      |     |       |
| S AC01                          | AC Power Cord. . . . .                   | 3135 | 010 | 04751 |
| AC03                            | Cabinet Back . . . . .                   | 3139 | 124 | 35351 |
| AC04                            | Cabinet Front. . . . .                   | 3139 | 137 | 83621 |
| AC05                            | Chassis Guide. . . . .                   | 3135 | 014 | 00691 |
| AC06                            | Control Buttons. . . . .                 | 3139 | 137 | 83601 |
| S AC08                          | CRT A48EJP03X110 . . . . .               | 9301 | 826 | 80361 |
| S AC09                          | Degaussing Coil. . . . .                 | 2422 | 549 | 44428 |
| AC10                            | Degaussing Coil Holder (2 used). . . . . | 3135 | 013 | 01641 |
| AC11                            | Light Guide. . . . .                     | 3139 | 124 | 36021 |
| AC13                            | Owner's Manual . . . . .                 | 3121 | 235 | 20071 |
| AC14                            | Power Button . . . . .                   | 3139 | 137 | 83611 |
| AC15                            | Remote Transmitter . . . . .             | 3139 | 228 | 86491 |
| AC16                            | Speaker, 5W, 16 ohm (2 used) . . . . .   | 2422 | 264 | 00411 |
| S AC18                          | Deflection Yoke. . . . .                 | 3306 | 133 | 24791 |
| AC21                            | Batteries f Remote Transmitter . . . . . | 9299 | 000 | 65263 |
| AC24                            | Degaussing Coil Spring . . . . .         | 3139 | 121 | 26231 |
| AC32                            | Assembly Braid . . . . .                 | 3135 | 010 | 07321 |

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## Main Chassis

|                          |  |      |           |        |  |      |     |       |
|--------------------------|--|------|-----------|--------|--|------|-----|-------|
| Main Chassis             |  |      |           | 2313   | 220pF., 50 Volt, NP0, Ceramic. . . . .       | 3198 | 016 | 02210 |
| IC-SPRING 7402 . . . . . |  |      |           | 2323   | 390pF., 50 Volt, NP0, Ceramic. . . . .       | 3198 | 016 | 03910 |
| 0139                     | IC, IUS1 Software Cluster. . . . .             | 3139 | 121 24581 | 2331   | 390pF., 50 Volt, NP0, Ceramic. . . . .       | 3198 | 016 | 03910 |
| 7200                     | 3 Pin Cinch Cover, (Insert on 3 Pin cin        | 9352 | 699 87557 | 2341   | 2200pF, 10%, 1kV, Ceramic. . . . .           | 2020 | 558 | 90571 |
| 0040                     | ch (Front)). . . . .                           | 3139 | 124 25551 | 2342   | 0.047uF, 10%, 250 V, Metalized Polyeste      | 2222 | 365 | 45473 |
| 0122                     | Frame, Heatsink. . . . .                       | 3139 | 121 26952 | 2343   | 0.047uF, 10%, 250 V, Metalized Polyeste      | 2222 | 365 | 45473 |
| 0123                     | Audio Heatsink . . . . .                       | 3139 | 121 26932 | 2401   | 680pF., 50 Volt, Ceramic . . . . .           | 3198 | 019 | 16810 |
| 0124                     | Heatsink . . . . .                             | 3139 | 121 26941 | 2402   | 820nF, 250V, 5%, Polypropylene . . . . .     | 2222 | 479 | 90029 |
| 0127                     | Socket, Fuse Holder. . . . .                   | 3122 | 358 71251 | 2406   | 330pF., 50 Volt, NP0, Ceramic. . . . .       | 3198 | 016 | 03310 |
| 0136                     | Spring, IC . . . . .                           | 3104 | 301 22081 | 2407   | 0.01uF., 5%, 1.6kV, Polypropylene. . . . .   | 2222 | 375 | 90154 |
| 0137                     | Spring . . . . .                               | 3139 | 121 24581 | 2408   | 0.022uF., 50V, Ceramic . . . . .             | 3198 | 019 | 22230 |
| 0138                     | Spring, IC . . . . .                           | 3104 | 301 22081 | 2409   | 47uF, 20%, 160 Volt, Electrolytic. . . . .   | 2020 | 021 | 91139 |
| 0139                     | Spring . . . . .                               | 3122 | 121 24786 | 2410   | 470uF, 20%, 16 Volt, Electrolytic. . . . .   | 2020 | 021 | 91577 |
| 0152                     | Cable Assembly . . . . .                       | 3104 | 301 09421 | 2411   | 47uF., 20%, 25V, Electrolytic. . . . .       | 2020 | 021 | 90586 |
| 0211                     | 2 Pin Connector. . . . .                       | 2422 | 025 16269 | 2412   | 0.033uF, 10%, 100 V, Polyester . . . . .     | 2222 | 347 | 90236 |
| 0212                     | 2 Pin Connector. . . . .                       | 2422 | 025 16375 | 2413   | 10uF, 20%, 250 Volt, Electrolytic. . . . .   | 2020 | 012 | 93495 |
| 0217                     | 3 Pin Connector. . . . .                       | 2412 | 020 00725 | 2414   | 1000uF, 20%, 16 Volt, Electrolytic . . . . . | 2020 | 021 | 91049 |
| 0218                     | 3 Pin Connector. . . . .                       | 2422 | 026 04742 | 2416   | 820pF, 10%, 2kV, Ceramic. . . . .            | 2020 | 558 | 90486 |
| 0220                     | 3 Pin Connector. . . . .                       | 2422 | 025 04851 | 2417   | 1000uF, 20%, 16 Volt, Electrolytic . . . . . | 2020 | 021 | 91049 |
| 0221                     | 4 Pin Connector. . . . .                       | 2422 | 025 15503 | 2418   | 0.01uF., 50 Volt, Ceramic . . . . .          | 3198 | 017 | 01030 |
| 0222                     | 2 Pin Connector. . . . .                       | 2422 | 025 10646 | 2419   | 1uF., 20%, 50V, Electrolytic . . . . .       | 2020 | 021 | 91147 |
| 0223                     | Socket, Cinch, 6 Pin . . . . .                 | 2422 | 026 05184 | 2420   | 1.0uF., 20%, 50V, Electrolytic . . . . .     | 3198 | 025 | 51080 |
| 0225                     | 10 Pin Socket. . . . .                         | 2422 | 026 04926 | 2421   | 0.047uF., 50 Volt, Ceramic . . . . .         | 3198 | 017 | 24730 |
| 0232                     | Headphone Jack . . . . .                       | 2422 | 026 04747 | 2422   | 470uF, 20%, 16 Volt, Electrolytic. . . . .   | 2020 | 021 | 91577 |
| 0243                     | 6 Pin Connector. . . . .                       | 2422 | 025 04854 | 2423   | 10uF, 20%, 100V, Electrolytic. . . . .       | 2020 | 021 | 90813 |
| 0244                     | 3 Pin Connector. . . . .                       | 2422 | 025 04851 | 2471   | 0.1uF., 10%, 50 Volt, Polyester. . . . .     | 3198 | 014 | 01040 |
| 0245                     | 6 Pin Connector. . . . .                       | 2422 | 025 04854 | 2472   | 0.1uF., 10%, 50 Volt, Polyester. . . . .     | 3198 | 014 | 01040 |
| 0246                     | 5 Pin Connector. . . . .                       | 2422 | 025 12481 | 2473   | 100uF, 20%, 50V, Electrolytic. . . . .       | 2020 | 021 | 90587 |
| 0254                     | CRT Socket, 9 Pin, M-Neck. . . . .             | 2422 | 500 80068 | 2475   | 470pF., 50 Volt, NP0, Ceramic. . . . .       | 3198 | 016 | 04710 |
| 1000                     | Tuner, PLL, ENV56D98G3 . . . . .               | 2422 | 542 90108 | 2476   | 0.22uF., 10%, 50 Volt, Polyester . . . . .   | 3198 | 014 | 02240 |
| 1002                     | SAW Filter, 45.75MHz . . . . .                 | 2422 | 549 44518 | 2477   | 47pF., 50 Volt, NP0, Ceramic. . . . .        | 3198 | 016 | 04710 |
| 1200                     | Ceramic Filter, 4.5MHz . . . . .               | 2422 | 549 40807 | S 2500 | 0.47uF, 20%, 275 V, Polypropylene . . . . .  | 2222 | 336 | 29148 |
| S 1500                   | Fuse, 4 Amp, 250 Volt . . . . .                | 2422 | 086 10869 | 2501   | 2200pF., 1kV, Ceramic. . . . .               | 3198 | 019 | 52220 |
| S 1500                   | Fuse, 4 A, 250V. . . . .                       | 2422 | 086 10914 | 2502   | 2200pF., 1kV, Ceramic. . . . .               | 3198 | 019 | 52220 |
| S 1515                   | Relay, 1 Pin, 12 Volt, 5 Amp . . . . .         | 2422 | 132 07444 | 2503   | 220uF, 20%, 200 Volt, Electrolytic . . . . . | 2020 | 024 | 90557 |
| 1600                     | Tactile Switch . . . . .                       | 2422 | 128 02742 | 2506   | 2200pF., 1kV, Ceramic. . . . .               | 3198 | 019 | 52220 |
| 1601                     | Tactile Switch . . . . .                       | 2422 | 128 02742 | 2508   | 470pF., 10%, 1KV, Ceramic. . . . .           | 3198 | 019 | 64710 |
| 1602                     | Tactile Switch . . . . .                       | 2422 | 128 02742 | S 2515 | 1500pF, 20%, 250 Volt, Ceramic . . . . .     | 2020 | 554 | 90128 |
| 1603                     | Tactile Switch . . . . .                       | 2422 | 128 02742 | 2520   | 0.1uF., 16 Volt, Ceramic . . . . .           | 3198 | 017 | 01040 |
| 1606                     | Tactile Switch . . . . .                       | 2422 | 128 02742 | 2521   | 22uF., 20%, 50V, Electrolytic. . . . .       | 3198 | 025 | 52290 |
| 1660                     | Crystal Resonator, 12.000 MHz. . . . .         | 2422 | 543 01203 | 2522   | 0.1uF., 16 Volt, Ceramic . . . . .           | 3198 | 017 | 01040 |
| 1831                     | Crystal Resonator, 18.432 MHz. . . . .         | 2422 | 543 00842 | 2523   | 1500pF, 10%, 2kV, Ceramic. . . . .           | 2020 | 558 | 90489 |
| 2004                     | 0.047uF., 25 Volt, Ceramic . . . . .           | 3198 | 023 04730 | 2525   | 470pF., 50 Volt, Ceramic . . . . .           | 3198 | 017 | 04710 |
| 2005                     | 10uF., 20%, 50V, Electrolytic. . . . .         | 3198 | 025 51090 | 2526   | 1000pF., 50 Volt, Ceramic. . . . .           | 3198 | 017 | 01020 |
| 2006                     | 470uF., 20%, 16V, Electrolytic . . . . .       | 3198 | 025 24710 | 2527   | 470pF., 50 Volt, Ceramic . . . . .           | 3198 | 017 | 04710 |
| 2007                     | 0.1uF., 25V, Ceramic . . . . .                 | 3198 | 023 21040 | 2540   | 0.015uF., 50 Volt, Ceramic . . . . .         | 3198 | 017 | 01530 |
| 2008                     | 100uF., 20%, 25V, Electrolytic . . . . .       | 3198 | 025 31010 | 2560   | 1000pF., 10%, 1kV, Ceramic . . . . .         | 3198 | 019 | 61020 |
| 2009                     | 0.022uF., 50 Volt, Ceramic. . . . .            | 3198 | 017 02230 | 2561   | 47uF, 20%, 160V, Electrolytic. . . . .       | 2020 | 021 | 91358 |
| 2101                     | 0.47uF., 16 Volt, Ceramic. . . . .             | 3198 | 017 24740 | 2562   | 1000pF, 50 Volt, Ceramic. . . . .            | 3198 | 019 | 11020 |
| 2102                     | 22pF., 50 Volt, NP0, Ceramic . . . . .         | 3198 | 016 02290 | 2563   | 0.1uF., 10%, 50 Volt, Polyester. . . . .     | 3198 | 014 | 01040 |
| 2103                     | 330pF., 50 Volt, NP0, Ceramic . . . . .        | 3198 | 016 03310 | 2564   | 2200uF, 20%, 16 Volt, Electrolytic . . . . . | 2020 | 012 | 93057 |
| 2104                     | 330pF., 50 Volt, NP0, Ceramic . . . . .        | 3198 | 016 03310 | 2565   | 470pF., 10%, 1KV, Ceramic. . . . .           | 3198 | 019 | 64710 |
| 2105                     | 10uF., 20%, 50V, Electrolytic. . . . .         | 3198 | 025 51090 | 2566   | 47uF., 20%, 25V, Electrolytic. . . . .       | 3198 | 025 | 34790 |
| 2106                     | 10uF., 20%, 50V, Electrolytic. . . . .         | 3198 | 025 51090 | 2567   | 47uF., 20%, 25V, Electrolytic. . . . .       | 3198 | 025 | 34790 |
| 2122                     | 330pF., 50 Volt, NP0, Ceramic . . . . .        | 3198 | 016 03310 | 2568   | 1.0uF., 20%, 50V, Electrolytic . . . . .     | 3198 | 025 | 51080 |
| 2123                     | 2.2uF., 10 Volt, Ceramic . . . . .             | 3198 | 017 22250 | 2569   | 470pF., 50 Volt, Ceramic . . . . .           | 3198 | 017 | 04710 |
| 2124                     | 330pF., 50 Volt, NP0, Ceramic . . . . .        | 3198 | 016 03310 | 2580   | 47uF., 20%, 25V, Electrolytic. . . . .       | 3198 | 025 | 34790 |
| 2125                     | 2.2uF., 10 Volt, Ceramic . . . . .             | 3198 | 017 22250 | 2601   | 0.22uF., 25V, Ceramic. . . . .               | 3198 | 023 | 22240 |
| 2135                     | 22pF., 50 Volt, NP0, Ceramic . . . . .         | 3198 | 016 02290 | 2602   | 100pF., 50 Volt, NP0, Ceramic. . . . .       | 3198 | 016 | 01010 |
| 2136                     | 22pF., 50 Volt, NP0, Ceramic . . . . .         | 3198 | 016 02290 | 2606   | 1000pF., 50 Volt, NP0, Ceramic . . . . .     | 3198 | 016 | 01020 |
| 2141                     | 330pF., 50 Volt, NP0, Ceramic . . . . .        | 3198 | 016 03310 | 2607   | 33pF., 5%, 50V, NP0, Ceramic . . . . .       | 3198 | 016 | 03390 |
| 2181                     | 22pF., 50 Volt, NP0, Ceramic . . . . .         | 3198 | 016 02290 | 2608   | 1uF., 16V, Ceramic . . . . .                 | 3198 | 017 | 21050 |
| 2182                     | 330pF., 50 Volt, NP0, Ceramic . . . . .        | 3198 | 016 03310 | 2609   | 33pF., 5%, 50V, NP0, Ceramic . . . . .       | 3198 | 016 | 03390 |
| 2183                     | 330pF., 50 Volt, NP0, Ceramic . . . . .        | 3198 | 016 03310 | 2611   | 1uF., 16V, Ceramic . . . . .                 | 3198 | 017 | 21050 |
| 2184                     | 2.2uF., 10 Volt, Ceramic . . . . .             | 3198 | 017 22250 | 2612   | 68pF., 50 Volt, NP0, Ceramic . . . . .       | 3198 | 016 | 06890 |
| 2202                     | 0.1uF., 25V, Ceramic . . . . .                 | 3198 | 023 21040 | 2613   | 68pF., 50 Volt, NP0, Ceramic . . . . .       | 3198 | 016 | 06890 |
| 2203                     | 0.1uF., 25V, Ceramic . . . . .                 | 3198 | 023 21040 | 2615   | 1000pF., 50 Volt, NP0, Ceramic . . . . .     | 3198 | 016 | 01020 |
| 2204                     | 0.1uF., 25V, Ceramic . . . . .                 | 3198 | 023 21040 | 2618   | 1uF., 16V, Ceramic . . . . .                 | 3198 | 017 | 21050 |
| 2205                     | 0.22uF., 25V, Ceramic . . . . .                | 3198 | 023 22240 | 2619   | 1uF., 16V, Ceramic . . . . .                 | 3198 | 017 | 21050 |
| 2208                     | 0.1uF., 25V, Ceramic . . . . .                 | 3198 | 023 21040 | 2691   | 100uF., 20%, 25V, Electrolytic . . . . .     | 3198 | 025 | 31010 |
| 2209                     | 4.7uF, 20%, 50V, Electrolytic . . . . .        | 3198 | 025 54780 | 2801   | 22uF., 20%, 50V, Electrolytic. . . . .       | 3198 | 025 | 52290 |
| 2210                     | 0.47uF., 20%, 50V, Electrolytic. . . . .       | 3198 | 025 54770 | 2802   | 0.22uF., 25V, Ceramic. . . . .               | 3198 | 023 | 22240 |
| 2211                     | 0.47uF., 16 Volt, Ceramic . . . . .            | 3198 | 017 24740 | 2803   | 2.2uF., 10 Volt, Ceramic . . . . .           | 3198 | 017 | 22250 |
| 2216                     | 470uF, 20%, 16V, Electrolytic . . . . .        | 3198 | 025 24710 | 2804   | 4.7uF, +80/-20%, 10 Volt, Ceramic . . . . .  | 2020 | 552 | 96305 |
| 2217                     | 0.022uF., 50 Volt, Ceramic. . . . .            | 3198 | 017 02230 | 2805   | 4.7uF, +80/-20%, 10 Volt, Ceramic . . . . .  | 2020 | 552 | 96305 |
| 2219                     | 0.22uF., 25V, Ceramic. . . . .                 | 3198 | 023 22240 | 2831   | 1pF, 50 Volt, NP0, Ceramic . . . . .         | 3198 | 016 | 01080 |
| 2220                     | 0.47uF., 10%, 50 Volt, Polyester . . . . .     | 3198 | 014 04740 | 2832   | 1pF, 50 Volt, NP0, Ceramic . . . . .         | 3198 | 016 | 01080 |
| 2221                     | 0.022uF., 50 Volt, Ceramic . . . . .           | 3198 | 017 22230 | 2833   | 47pF., 50 Volt, NP0, Ceramic . . . . .       | 3198 | 016 | 04790 |
| 2233                     | 820pF., 50 Volt, NP0, Ceramic . . . . .        | 3198 | 016 08210 | 2834   | 470pF., 50 Volt, NP0, Ceramic. . . . .       | 3198 | 016 | 04710 |
| 2241                     | 1500pF., 50 Volt, Ceramic. . . . .             | 3198 | 017 01520 | 2835   | 220pF., 50 Volt, NP0, Ceramic. . . . .       | 3198 | 016 | 02210 |
| 2242                     | 1uF., 16V, Ceramic . . . . .                   | 3198 | 017 21050 | 2836   | 1500pF., 50 Volt, Ceramic. . . . .           | 3198 | 017 | 01520 |
| 2243                     | 2200pF., 50 Volt, Ceramic. . . . .             | 3198 | 017 02220 | 2837   | 4.7uF., 20%, 50V, Electrolytic . . . . .     | 3198 | 025 | 54780 |
| 2244                     | 0.1uF., 10%, 63V, Metalized Polyester. . . . . | 2222 | 370 75104 | 2838   | 47pF., 50 Volt, NP0, Ceramic . . . . .       | 3198 | 016 | 04790 |
| 2245                     | 0.22uF., 25V, Ceramic. . . . .                 | 3198 | 023 22240 | 2839   | 47pF., 50 Volt, NP0, Ceramic . . . . .       | 3198 | 016 | 04790 |
| 2247                     | 470uF, 20%, 16V, Electrolytic . . . . .        | 3198 | 025 24710 | 2840   | 0.1uF., 25V, Ceramic . . . . .               | 3198 | 023 | 21040 |
| 2248                     | 0.022uF., 50 Volt, Ceramic. . . . .            | 3198 | 017 02230 | 2841   | 10uF., 20%, 50V, Electrolytic. . . . .       | 3198 | 025 | 51090 |
| 2249                     | 0.022uF., 50 Volt, Ceramic. . . . .            | 3198 | 017 02230 | 2842   | 0.1uF., 25V, Ceramic . . . . .               | 3198 | 023 | 21040 |
| 2250                     | 2.2uF., 20%, 50V, Electrolytic . . . . .       | 3198 | 025 52280 | 2843   | 10uF., 20%, 50V, Electrolytic. . . . .       | 3198 | 025 | 51090 |
| 2252                     | 1000pF., 50 Volt, NP0, Ceramic . . . . .       | 3198 | 016 01020 | 2844   | 10uF., 20%, 50V, Electrolytic. . . . .       | 3198 | 025 | 51090 |
| 2253                     | 1000pF., 50 Volt, NP0, Ceramic . . . . .       | 3198 | 016 01020 | 2845   | 0.1uF., 25V, Ceramic . . . . .               | 3198 | 023 | 21040 |
| 2254                     | 100pF., 50 Volt, NP0, Ceramic . . . . .        | 3198 | 016 01010 | 2846   | 100uF., 20%, 25V, Electrolytic . . . . .     | 3198 | 025 | 31010 |
|                          |  |      |           | 2849   | 1000pF., 50 Volt, NP0, Ceramic . . . . .     | 3198 | 016 | 01020 |

S = Safety Part      Be sure to use exact replacement part.

# 19PS50S122 (continued)

|        |  |                |        |  |                |
|--------|--|----------------|--------|--|----------------|
| 2850   | 1000pF., 50 Volt, NP0, Ceramic . . . .   | 3198 016 01020 | 3323   | 10 ohm, 5% . . . . .                     | 3198 021 51090 |
| 2851   | 4.7uF, +80/-20%, 10 Volt, Ceramic . .    | 2020 552 96305 | S 3324 | 18k, 5%, 3W, Metal Film. . . . .         | 2322 195 63183 |
| 2852   | 1000pF., 50 Volt, NP0, Ceramic . . . .   | 3198 016 01020 | 3326   | 68 ohm, 5%, Fusible Resistor . . . . .   | 2306 204 03689 |
| 2853   | 4.7uF, +80/-20%, 10 Volt, Ceramic . .    | 2020 552 96305 | S 3327 | 1.5k, 20%, 1/2W, Carbon Composition. .   | 3198 013 01520 |
| 2854   | 1000pF., 50 Volt, NP0, Ceramic . . . .   | 3198 016 01020 | 3331   | 1.5k, 5% . . . . .                       | 3198 021 51520 |
| 2855   | 33pF, 50 Volt, NP0, Ceramic. . . . .     | 3198 019 03390 | 3332   | 330 ohm 5%, . . . . .                    | 3198 021 53310 |
| 2856   | 47pF., 50 Volt, NP0, Ceramic . . . . .   | 3198 016 04790 | 3333   | 10 ohm, 5% . . . . .                     | 3198 021 51090 |
| 2857   | 150pF., 50 Volt, NP0, Ceramic . . . . .  | 3198 016 01510 | S 3334 | 18k, 5%, 3W, Metal Film. . . . .         | 2322 195 63183 |
| 2860   | 180pF., 50 Volt, NP0, Ceramic. . . . .   | 3198 016 01810 | 3336   | 68 ohm, 5%, Fusible Resistor . . . . .   | 2306 204 03689 |
| 2894   | 220pF., 50 Volt, NP0, Ceramic. . . . .   | 3198 016 02210 | S 3337 | 1.5k, 20%, 1/2W, Carbon Composition. .   | 3198 013 01520 |
| 2895   | 560pF., 50 Volt, NP0, Ceramic. . . . .   | 3198 016 05610 | S 3341 | 1.5k, 20%, 1/2W, Carbon Composition. .   | 3198 013 01520 |
| 2897   | 390pF., 50 Volt, NP0, Ceramic. . . . .   | 3198 016 03910 | S 3347 | 220 ohm, 5%, Fusible Resistor. . . . .   | 2306 204 03221 |
| 2898   | 0.01uF., 50 Volt, Ceramic . . . . .      | 3198 017 01030 | S 3348 | 1.5k, 20%, 1/2W, Carbon Composition. .   | 3198 013 01520 |
| 2902   | 1000uF, 20%, 16V, Electrolytic . . . . . | 3198 026 21020 | S 3349 | 1.2 ohm, 5%, Fusible Resistor. . . . .   | 2306 204 03128 |
| 2903   | 1.0uF., 20%, 50V, Electrolytic . . . . . | 3198 025 51080 | S 3350 | 1.2 ohm, 5%, Fusible Resistor. . . . .   | 2306 204 03128 |
| 2904   | 0.47uF., 16 Volt, Ceramic. . . . .       | 3198 017 24740 | 3401   | 330k, 5%, 1/2W, Metalized Glass. . . . . | 2322 242 13334 |
| 2905   | 1000pF., 50 Volt, NP0, Ceramic . . . . . | 3198 016 01020 | 3402   | 18k, 5%, 1/6W, Carbon. . . . .           | 3198 011 01830 |
| 2906   | 0.47uF., 16 Volt, Ceramic. . . . .       | 3198 017 24740 | S 3403 | Power Resistor, 22 ohm, 5%, 3 W. . . . . | 3198 012 32290 |
| 2907   | 1000pF., 50 Volt, NP0, Ceramic . . . . . | 3198 016 01020 | S 3404 | Fusible Resistor, 6.8 ohm, 5%. . . . .   | 2306 204 03688 |
| 2908   | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 025 51090 | 3406   | 10k, 5%, 1/6 W, Carbon . . . . .         | 3198 011 01030 |
| 2981   | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 025 51090 | S 3407 | 220 ohm, 5%, 3W, Metal Film. . . . .     | 2322 195 63221 |
| 2982   | 470pF., 50 Volt, NP0, Ceramic. . . . .   | 3198 016 04710 | 3408   | 1k, 5%, 1/6 W, Carbon. . . . .           | 3198 011 01020 |
| 2983   | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 025 51090 | 3410   | 33k, 5%, . . . . .                       | 3198 021 53330 |
| 2984   | 470pF., 50 Volt, NP0, Ceramic. . . . .   | 3198 016 04710 | S 3411 | Fusible Resistor, 10 ohm, 5% . . . . .   | 2306 204 03109 |
| 3000   | 100 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01010 | 3412   | 3.3k, 1%, Metal Film . . . . .           | 2322 156 23302 |
| 3001   | 100 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01010 | 3413   | 10k, 5%, . . . . .                       | 3198 021 51030 |
| 3002   | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 3414   | 1.5k, 1%, Metal Film . . . . .           | 2322 156 21502 |
| 3003   | 1.5k, 5% . . . . .                       | 3198 021 51520 | 3415   | 1k, 5%, 1/6 W, Carbon. . . . .           | 3198 011 01020 |
| 3004   | 8.2k, 5%, . . . . .                      | 3198 021 58220 | S 3416 | 3.9 ohm, 5%, Fusible Resistor. . . . .   | 2306 207 03398 |
| 3005   | 100 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01010 | 3417   | 33k, 5%, 1/6W, Carbon. . . . .           | 3198 011 03330 |
| 3101   | 68 ohm, 5%, 1/6W, Carbon . . . . .       | 3198 011 06890 | 3418   | 33k, 5%, . . . . .                       | 3198 021 53330 |
| 3102   | 1k, 5%, . . . . .                        | 3198 021 51020 | 3419   | 6.8k, 5%, . . . . .                      | 3198 021 56820 |
| 3103   | 150 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01510 | 3420   | 33k, 5%, . . . . .                       | 3198 021 53330 |
| 3104   | 220k, 5%, . . . . .                      | 3198 021 52240 | S 3421 | Power Resistor, 6.8 ohm, 5%, 2 W . . . . | 3198 012 26880 |
| 3105   | 150 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01510 | 3422   | 100 ohm, 5%. . . . .                     | 3198 021 51010 |
| 3106   | 220k, 5%, . . . . .                      | 3198 021 52240 | 3423   | 820 ohm, 5%. . . . .                     | 3198 021 58210 |
| 3123   | 150 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01510 | 3424   | 100 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01010 |
| 3124   | 47k, 5%. . . . .                         | 3198 021 54730 | 3425   | 15k, 5%, 1/6 W, Carbon . . . . .         | 3198 011 01530 |
| 3125   | 150 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01510 | 3426   | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 |
| 3126   | 47k, 5%. . . . .                         | 3198 021 54730 | 3427   | 12k, 5%, 1/6 W, Carbon . . . . .         | 3198 011 01230 |
| 3135   | 75 ohm, 5%, 1/6 W, Carbon. . . . .       | 3198 011 07590 | 3428   | 39 ohm, 5%, Fusible Resistor . . . . .   | 2306 207 03399 |
| 3136   | 100 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01010 | 3431   | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 |
| 3137   | 75 ohm, 5%, 1/6 W, Carbon. . . . .       | 3198 011 07590 | 3432   | 22 ohm, 5%, 1/6W, Carbon . . . . .       | 3198 011 02290 |
| 3138   | 100 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01010 | 3471   | 4.7 ohm, 1%, 0.6W, Metal Film. . . . .   | 2322 156 24708 |
| 3141   | 1k, 5%, 1/6 W, Carbon. . . . .           | 3198 011 01020 | 3472   | 4.7 ohm, 1%, 0.6W, Metal Film. . . . .   | 2322 156 24708 |
| 3181   | 75 ohm, 5%, 1/6 W, Carbon. . . . .       | 3198 011 07590 | 3473   | 2.2k, 1%, Metal Film . . . . .           | 2322 156 22202 |
| 3182   | 100 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01010 | 3474   | 1k, 5%, 1/6 W, Carbon. . . . .           | 3198 011 01020 |
| 3183   | 150 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01510 | 3475   | 2.2k, 1%, Metal Film . . . . .           | 2322 156 22202 |
| 3184   | 47k, 5%. . . . .                         | 3198 021 54730 | S 3476 | 1.5 ohm, 5%, Fusible resistor. . . . .   | 2306 204 03158 |
| 3185   | 150 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01510 | 3477   | 220 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 02210 |
| 3186   | 47k, 5%. . . . .                         | 3198 021 54730 | 3478   | 220 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 02210 |
| 3200   | 390 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 03910 | 3479   | 1k, 5%, 1/6 W, Carbon. . . . .           | 3198 011 01020 |
| 3201   | 100 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01010 | S 3500 | 3.3 Meg ohm, 5%, Metalized Glass . . . . | 2322 242 13335 |
| 3202   | 100 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01010 | S 3501 | 3.3 Meg ohm, 5%, Metalized Glass . . . . | 2322 242 13335 |
| 3203   | 100 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01010 | S 3502 | NTC, 4.7 ohm, 20%, 3 W . . . . .         | 2122 612 00055 |
| 3204   | 10k, 5%, 1/6 W, Carbon . . . . .         | 3198 011 01030 | S 3503 | PTC, 10 ohm, 30%, 120 Volt . . . . .     | 2120 661 00026 |
| 3206   | 100k, 5%, . . . . .                      | 3198 021 51040 | 3506   | 220 ohm, 20%, 1/2 W, Carbon. . . . .     | 3198 013 02210 |
| 3207   | 1k, 5%, 1/6 W, Carbon. . . . .           | 3198 011 01020 | S 3507 | 300 V Surge Protector. . . . .           | 2422 549 43073 |
| 3208   | 220 ohm 5%, . . . . .                    | 3198 021 52210 | 3508   | 1.5 Meg, 5%, Metalized Glass . . . . .   | 2322 242 13155 |
| 3209   | 68 ohm, 5% . . . . .                     | 3198 021 56890 | 3519   | 270 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 02710 |
| 3212   | 470 ohm, 5%, . . . . .                   | 3198 021 54710 | 3520   | 1.2k, 5% . . . . .                       | 3198 021 51220 |
| 3213   | 560 ohm, 5%, 1/6W, Carbon. . . . .       | 3198 011 05610 | 3521   | 22 ohm, 5%, 1/6W, Carbon . . . . .       | 3198 011 02290 |
| 3217   | 330k, 5% . . . . .                       | 3198 021 53340 | 3522   | 330k, 5% . . . . .                       | 3198 021 53340 |
| 3218   | 82k, 5%, . . . . .                       | 3198 021 58230 | S 3523 | Fusible Resistor, 100 ohm, 5%. . . . .   | 2306 204 03101 |
| 3219   | 2.2k, 5%, . . . . .                      | 3198 021 52220 | 3524   | 56k, 5%. . . . .                         | 3198 021 55630 |
| 3220   | 100 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01010 | 3525   | 1k, 5%, . . . . .                        | 3198 021 51020 |
| 3221   | 560 ohm, 5%, 1/6W, Carbon. . . . .       | 3198 011 05610 | S 3526 | Power Resistor, 0.15 ohm, 5%, 1W . . . . | 3198 012 11570 |
| 3222   | 100 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01010 | S 3527 | Fusible Resistor, 2.2k, 5% . . . . .     | 2306 204 03222 |
| 3226   | 560 ohm, 5%, . . . . .                   | 3198 021 55610 | 3528   | 10k, 5%, . . . . .                       | 3198 021 51030 |
| 3235   | 100 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01010 | 3529   | 47k, 5%. . . . .                         | 3198 021 54730 |
| 3241   | 22k, 5%, . . . . .                       | 3198 021 52230 | 3530   | 4.7k, 5%, . . . . .                      | 3198 021 54720 |
| 3242   | 27k, 5%, . . . . .                       | 3198 021 52730 | 3531   | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 |
| 3244   | 820 ohm, 5%, 1/6W, Carbon Film . . . .   | 3198 011 08210 | 3541   | 470 ohm, 5%, . . . . .                   | 3198 021 54710 |
| 3245   | 39k, 5%, . . . . .                       | 3198 021 53930 | 3542   | 1.5k, 5% . . . . .                       | 3198 021 51520 |
| 3246   | 10k, 5%, . . . . .                       | 3198 021 51030 | 3543   | 82k, 1%, Metal Film . . . . .            | 2322 156 28203 |
| 3247   | 220k, 5%, . . . . .                      | 3198 021 52240 | 3544   | 6.8k, 1%, Metal Film . . . . .           | 2322 156 26802 |
| 3248   | 27k, 5%, . . . . .                       | 3198 021 52730 | 3545   | 82k, 5%, . . . . .                       | 3198 021 58230 |
| 3249   | 820 ohm, 5%, 1/6W, Carbon Film . . . .   | 3198 011 08210 | 3546   | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 |
| 3251   | 100 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01010 | S 3547 | Power Resistor, 0.33 ohm, 5%, 1 W . . .  | 3198 012 13370 |
| 3254   | 1 Meg, 5%. . . . .                       | 3198 021 51050 | 3548   | 8.2k, 5%, . . . . .                      | 3198 021 58220 |
| 3256   | 1k, 5%, . . . . .                        | 3198 021 51020 | 3549   | 220 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 02210 |
| 3257   | 10 Meg, 5% . . . . .                     | 3198 021 51060 | 3552   | 10k, 5%, . . . . .                       | 3198 021 51030 |
| 3258   | 330k, 5% . . . . .                       | 3198 021 53340 | 3559   | 1k, 5%, . . . . .                        | 3198 021 51020 |
| 3259   | 470k, 5%, . . . . .                      | 3198 021 54740 | 3560   | 47 ohm, 5%, 1/6 W, Carbon. . . . .       | 3198 011 04790 |
| 3311   | 1.5k, 5% . . . . .                       | 3198 021 51520 | 3561   | 100 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01010 |
| 3312   | 330 ohm 5%, . . . . .                    | 3198 021 53310 | 3562   | 10k, 5%, . . . . .                       | 3198 021 51030 |
| 3313   | 10 ohm, 5% . . . . .                     | 3198 021 51090 | 3563   | 4.7k, 5%, . . . . .                      | 3198 021 54720 |
| S 3314 | 18k, 5%, 3W, Metal Film. . . . .         | 2322 195 63183 | S 3564 | Power Resistor, 0.1 ohm, 5%, 2 W. . . .  | 3198 012 21070 |
| 3316   | 68 ohm, 5%, Fusible Resistor . . . . .   | 2306 204 03689 | S 3565 | Power Resistor, 330 ohm, 5%, 1 W . . .   | 3198 012 13310 |
| S 3317 | 1.5k, 20%, 1/2W, Carbon Composition. .   | 3198 013 01520 | 3566   | 2.2k, 5%, . . . . .                      | 3198 021 52220 |
| 3321   | 1.5k, 5% . . . . .                       | 3198 021 51520 | 3567   | 2.2k, 5%, . . . . .                      | 3198 021 52220 |
| 3322   | 330 ohm 5%, . . . . .                    | 3198 021 53310 | 3568   | 8.2k, 5%, . . . . .                      | 3198 021 58220 |

S = Safety Part Be sure to use exact replacement part.



# 19PS50S122 (continued)

|      |                                |                |        |   |                |
|------|--------------------------------|----------------|--------|---|----------------|
| 3569 | 5.6k, 5%                       | 3198 021 55620 | 4903   | Jumper, 0.05 ohm                        | 3198 021 90020 |
| 3580 | 47k, 5%                        | 3198 021 54730 | 4911   | Jumper, 0.05 ohm                        | 3198 021 90020 |
| 3601 | 8.2k, 5%, 1/6W, Carbon Film    | 3198 011 08220 | 4982   | Jumper, 0.05 ohm                        | 3198 021 90020 |
| 3603 | 100 ohm, 5%, 1/6 W, Carbon     | 3198 011 01010 | 5001   | Fixed Inductor 5.6uH., 10%              | 3198 018 25680 |
| 3604 | 100 ohm, 5%, 1/6 W, Carbon     | 3198 011 01010 | 5002   | Fixed Inductor, 0.82uH., 10%            | 3198 018 18270 |
| 3605 | 4.7k, 5%                       | 3198 021 54720 | 5201   | Fixed Inductor, 6.8uH., 5%              | 3198 018 16880 |
| 3606 | 2.2k, 5%, 1/6 W, Carbon        | 3198 011 02220 | 5202   | Fixed Inductor, 10uH., 10%              | 3198 018 21090 |
| 3607 | 2.2k, 5%, 1/6 W, Carbon        | 3198 011 02220 | 5241   | Fixed Inductor, 10uH., 10%              | 3198 018 21090 |
| 3608 | 100 ohm, 5%, 1/6 W, Carbon     | 3198 011 01010 | 5242   | Fixed Inductor, 10uH., 5%               | 3198 018 11090 |
| 3609 | 1k, 5%, 1/6 W, Carbon          | 3198 011 01020 | 5341   | Inductor SPT0508 22uH., 5%              | 2422 535 95365 |
| 3610 | 8.2k, 5%, 1/6W, Carbon Film    | 3198 011 08220 | 5342   | Fixed Inductor Bead, 100MHz, 50 ohm     | 3198 018 90010 |
| 3611 | 100 ohm, 5%                    | 3198 021 51010 | 5408   | Fixed Inductor, 27uH., 5%, SPT0508      | 2422 535 95366 |
| 3618 | 6.8k, 5%, 1/6 W, Carbon        | 3198 011 06820 | 5410   | Fixed Inductor, 27uH., 5%, SPT0508      | 2422 535 95366 |
| 3622 | 100 ohm, 5%                    | 3198 021 51010 | 5444   | Transformer, Signal Driver, SC10009-03  | 2422 531 02446 |
| 3623 | 4.7k, 5%                       | 3198 021 54720 | 5445   | Transformer, LOT, MSL0T4                | 3128 138 21541 |
| 3624 | 100 ohm, 5%, 1/6 W, Carbon     | 3198 011 01010 | S 5502 | AC Filter, 5MHz., 1 Amp.                | 2422 549 44284 |
| 3625 | 100 ohm, 5%, 1/6 W, Carbon     | 3198 011 01010 | 5520   | Transformer, SS28032-01A                | 2422 531 02458 |
| 3626 | 4.7k, 5%                       | 3198 021 54720 | 5521   | Fixed Inductor Bead, 100MHz, 50 ohm     | 3198 018 90010 |
| 3627 | 4.7k, 5%                       | 3198 021 54720 | 5560   | Fixed Inductor Bead, 100MHz, 50 ohm     | 3198 018 90010 |
| 3628 | 10k, 5%                        | 3198 021 51030 | 5561   | Fixed Inductor 27uH., 10%               | 3198 018 22790 |
| 3630 | 2.2k, 5%                       | 3198 021 52220 | 5562   | Fixed Inductor Bead, 100MHz, 50 ohm     | 3198 018 90010 |
| 3632 | Jumper, 0.05 ohm               | 3198 021 90020 | 5563   | Fixed Inductor Bead, 100MHz, 50 ohm     | 3198 018 90010 |
| 3635 | 100 ohm, 5%, 1/6 W, Carbon     | 3198 011 01010 | 5602   | Fixed Inductor, 5.6uH., 5%              | 3198 018 15680 |
| 3636 | 100 ohm, 5%                    | 3198 021 51010 | 5603   | Fixed Inductor, 5.6uH., 5%              | 3198 018 15680 |
| 3681 | 390 ohm, 5%                    | 3198 021 53910 | 5604   | Fixed Inductor, 5.6uH., 5%              | 3198 018 15680 |
| 3682 | 3.3k, 5%                       | 3198 021 53320 | 5831   | Fixed Inductor, 6.8uH., 5%              | 3198 018 16880 |
| 3683 | 390 ohm, 5%                    | 3198 021 53910 | 5832   | Fixed Inductor, 6.8uH., 5%              | 3198 018 16880 |
| 3684 | 560 ohm, 5%                    | 3198 021 55610 | 5833   | Fixed Inductor, 6.8uH., 5%              | 3198 018 16880 |
| 3685 | 560 ohm, 5%                    | 3198 021 55610 | 5835   | Fixed Inductor, 12uH., 10%              | 3198 018 31290 |
| 3686 | 1.5k, 5%                       | 3198 021 51520 | 6001   | Diode, Regulator, BZX79-C33, 33 Volt    | 3198 010 23390 |
| 3691 | 330 ohm 5%                     | 3198 021 53310 | 6201   | Diode, Signal, BAS216                   | 9340 255 30115 |
| 3693 | 220 ohm 5%                     | 3198 021 52210 | 6202   | Diode, Signal, BAS216                   | 9340 255 30115 |
| 3694 | 4.7k, 5%                       | 3198 021 54720 | 6206   | Diode, Regulator, BZX284-C6V8, 6.8 Volt | 9340 386 40115 |
| 3801 | 220 ohm, 5%, 1/6 W, Carbon     | 3198 011 02210 | 6241   | Diode, Regulator, BZX284-C6V8, 6.8 Volt | 9340 386 40115 |
| 3802 | 1k, 5%, 1/6 W, Carbon          | 3198 011 01020 | 6311   | Diode, Signal, BAV21                    | 3198 010 10070 |
| 3803 | 100k, 5%                       | 3198 021 51040 | 6321   | Diode, Signal, BAV21                    | 3198 010 10070 |
| 3804 | 82k, 5%                        | 3198 021 58230 | 6331   | Diode, Signal, BAV21                    | 3198 010 10070 |
| 3805 | 1k, 5%                         | 3198 021 51020 | 6341   | Diode, Signal, BAV21                    | 3198 010 10070 |
| 3806 | 100k, 5%                       | 3198 021 51040 | 6342   | Diode, Signal, 1SS135                   | 9322 038 00673 |
| 3807 | 82k, 5%                        | 3198 021 58230 | 6343   | Diode, Regulator, BZX79-C9V1, 9.1 Volt  | 9331 177 80133 |
| 3808 | 1k, 5%, 1/6 W, Carbon          | 3198 011 01020 | 6401   | Diode, Signal, BAV21                    | 3198 010 10070 |
| 3831 | 47k, 5%                        | 3198 021 54730 | 6402   | Diode, Rectifier, BYV27-200             | 9322 126 72673 |
| 3832 | 100 ohm, 5%, 1/6 W, Carbon     | 3198 011 01010 | 6404   | Diode, Rectifier, BYD33M                | 9337 410 30133 |
| 3833 | 100 ohm, 5%, 1/6 W, Carbon     | 3198 011 01010 | 6405   | Diode, Rectifier, BYD 33D               | 9337 234 00133 |
| 3836 | 1k, 5%, 1/6 W, Carbon          | 3198 011 01020 | 6406   | Diode, Signal, BAV70                    | 9331 849 10215 |
| 3837 | 100 ohm, 5%, 1/6 W, Carbon     | 3198 011 01010 | 6407   | Diode, Signal, BAS216                   | 9340 255 30115 |
| 3838 | 1k, 5%                         | 3198 021 51020 | 6408   | Diode, Signal, BAS216                   | 9340 255 30115 |
| 3839 | 100 ohm, 5%, 1/6 W, Carbon     | 3198 011 01010 | 6409   | Diode, Rectifier, BYD 33D               | 9337 234 00133 |
| 3843 | 2.2k, 5%                       | 3198 021 52220 | 6410   | Diode, Rectifier, BYD 33D               | 9337 234 00133 |
| 3901 | 1k, 5%                         | 3198 021 51020 | 6413   | Diode, Signal, 1N4148                   | 3198 010 10010 |
| 3902 | 3.3k, 5%                       | 3198 021 53320 | 6414   | Diode, Regulator, BZX79-B6V2, 6.2 Volt  | 9331 668 30133 |
| 3903 | 3.3k, 5%                       | 3198 021 53320 | 6415   | Diode, Signal, BAS216                   | 9340 255 30115 |
| 3904 | 10k, 5%                        | 3198 021 51030 | 6419   | Diode, Regulator BZX79-C5V6, 5.6 Volt   | 9331 177 30133 |
| 3905 | 3.3k, 5%                       | 3198 021 53320 | 6420   | Diode, Regulator, BZX79-C9V1, 9.1 Volt  | 9331 177 80133 |
| 3906 | 10k, 5%                        | 3198 021 51030 | 6423   | Diode, Rectifier, BYD 33D               | 9337 234 00133 |
| 3907 | 8.2k, 5%                       | 3198 021 58220 | 6471   | Diode, Rectifier, BYD 33D               | 9337 234 00133 |
| 3981 | 120 ohm, 5%, 1/6W, Carbon Film | 3198 011 01210 | 6500   | Diode, Rectifier, 1N5062                | 3198 010 10120 |
| 3982 | 120 ohm, 5%, 1/6W, Carbon Film | 3198 011 01210 | 6501   | Diode, Rectifier, 1N5062                | 3198 010 10120 |
| 4001 | Jumper, 0.05 ohm               | 3198 021 90020 | 6502   | Diode, Rectifier, 1N5062                | 3198 010 10120 |
| 4002 | Jumper, 0.05 ohm               | 3198 021 90020 | 6503   | Diode, Rectifier, 1N5062                | 3198 010 10120 |
| 4101 | Jumper, 0.05 ohm               | 3198 021 90020 | 6520   | Diode, Rectifier, BYD 33D               | 9337 234 00133 |
| 4102 | Jumper, 0.05 ohm               | 3198 021 90020 | 6523   | Diode, Signal, 1N4148                   | 3198 010 10010 |
| 4104 | Jumper, 0.05 ohm               | 3198 021 90020 | 6540   | Diode, Regulator, BZX79-B6V2, 6.2 Volt  | 9331 668 30133 |
| 4121 | Jumper, 0.05 ohm               | 3198 021 90020 | 6541   | Diode, Regulator, BZX79-C10, 10 Volt    | 3198 010 21090 |
| 4181 | Jumper, 0.05 ohm               | 3198 021 90020 | 6560   | Diode, Rectifier, BYW76-RAS15/10        | 9322 127 32682 |
| 4209 | Jumper, 0.05 ohm               | 3198 021 90020 | 6561   | Diode, Rectifier, BYW76-RAS15/10        | 9322 127 32682 |
| 4216 | Jumper, 0.05 ohm               | 3198 021 90020 | 6562   | Diode, Rectifier, EGP20DL-5100          | 9322 164 42682 |
| 4217 | Jumper, 0.05 ohm               | 3198 021 90020 | 6563   | Diode, Signal, BAS216                   | 9340 255 30115 |
| 4410 | Jumper, 0.05 ohm               | 3198 021 90020 | 6565   | Diode, Signal, BAV70                    | 9331 849 10215 |
| 4501 | Jumper, 0.05 ohm               | 3198 021 90020 | 6566   | Diode, Signal, BAS216                   | 9340 255 30115 |
| 4613 | Jumper, 0.05 ohm               | 3198 021 90020 | 6569   | Diode, Signal, BAS216                   | 9340 255 30115 |
| 4614 | Jumper, 0.05 ohm               | 3198 021 90020 | 6570   | Diode, Regulator, BZX384-C, 6.8 Volt    | 3198 020 56880 |
| 4615 | Jumper, 0.05 ohm               | 3198 021 90020 | 6580   | Diode, Signal, BAS216                   | 9340 255 30115 |
| 4616 | Jumper, 0.05 ohm               | 3198 021 90020 | 6581   | Diode, Signal, BAS216                   | 9340 255 30115 |
| 4617 | Jumper, 0.05 ohm               | 3198 021 90020 | 6681   | Diode, Signal, BAT85                    | 9336 247 60133 |
| 4618 | Jumper, 0.05 ohm               | 3198 021 90020 | 6691   | LED, VS LTL-10224WHCR                   | 9322 050 99682 |
| 4619 | Jumper, 0.05 ohm               | 3198 021 90020 | 6692   | IR Receiver, TSOP1836UH3VL              | 9322 127 54667 |
| 4622 | Jumper, 0.05 ohm               | 3198 021 90020 | 6831   | Diode, Signal, 1N4148                   | 3198 010 10010 |
| 4623 | Jumper, 0.05 ohm               | 3198 021 90020 | 6901   | Jumper, 0.05 ohm                        | 3198 021 90020 |
| 4691 | Jumper, 0.05 ohm               | 3198 021 90020 | 7101   | Transistor, Signal, BC847B              | 3198 010 42030 |
| 4692 | Jumper, 0.05 ohm               | 3198 021 90020 | 7200   | IC, TDA9587H/N1/3/0481                  | 9352 699 87557 |
| 4693 | Jumper, 0.05 ohm               | 3198 021 90020 | 7201   | Transistor, Signal, BC847B              | 3198 010 42030 |
| 4802 | Jumper, 0.05 ohm               | 3198 021 90020 | 7204   | Transistor, Signal, BC857B              | 3198 010 42150 |
| 4804 | Jumper, 0.05 ohm               | 3198 021 90020 | 7205   | Transistor, Signal, BC857B              | 3198 010 42150 |
| 4811 | Jumper, 0.05 ohm               | 3198 021 90020 | 7241   | Transistor, Signal, PDTA114ET           | 3198 010 44010 |
| 4812 | Jumper, 0.05 ohm               | 3198 021 90020 | 7311   | Transistor, Signal, BF422               | 3198 020 43010 |
| 4813 | Jumper, 0.05 ohm               | 3198 021 90020 | 7312   | Transistor, Signal, BF422               | 3198 020 43010 |
| 4814 | Jumper, 0.05 ohm               | 3198 021 90020 | 7313   | Transistor, Signal, BF423               | 3198 020 43020 |
| 4831 | Jumper, 0.05 ohm               | 3198 021 90020 | 7321   | Transistor, Signal, BF422               | 3198 020 43010 |
| 4833 | Jumper, 0.05 ohm               | 3198 021 90020 | 7322   | Transistor, Signal, BF422               | 3198 020 43010 |
| 4835 | Jumper, 0.05 ohm               | 3198 021 90020 | 7323   | Transistor, Signal, BF423               | 3198 020 43020 |
| 4901 | Jumper, 0.05 ohm               | 3198 021 90020 | 7331   | Transistor, Signal, BF422               | 3198 020 43010 |

S = Safety Part Be sure to use exact replacement part.

# 19PS50S122 (continued)

|        |   |                |      |                  |                |
|--------|---|----------------|------|------------------|----------------|
| 7332   | Transistor, Signal, BF422. . . . .                    | 3198 020 43010 | 9618 | Jumper . . . . . | 3198 036 90010 |
| 7333   | Transistor, Signal BF423 . . . . .                    | 3198 020 43020 | 9619 | Jumper . . . . . | 3198 036 90010 |
| 7401   | Transistor, Signal, PPTC143ZT. . . . .                | 9340 547 00215 | 9620 | Jumper . . . . . | 3198 036 90010 |
| 7402   | Power Transistor, BUT11APX-1200. . . . .              | 9340 563 21127 | 9621 | Jumper . . . . . | 3198 036 90010 |
| 7403   | Transistor, Signal, BC337-25. . . . .                 | 3198 020 43530 | 9622 | Jumper . . . . . | 3198 036 90010 |
| 7404   | Transistor, Signal, BC636. . . . .                    | 9332 219 50126 | 9623 | Jumper . . . . . | 3198 036 90010 |
| 7405   | Transistor, Signal, BC857B . . . . .                  | 3198 010 42150 | 9624 | Jumper . . . . . | 3198 036 90010 |
| 7406   | Transistor, Signal, BC857B . . . . .                  | 3198 010 42150 | 9625 | Jumper . . . . . | 3198 036 90010 |
| S 7407 | Transistor, Power, BD135-16. . . . .                  | 3198 020 41190 | 9626 | Jumper . . . . . | 3198 036 90010 |
| S 7408 | Transistor, Power, BD135-16. . . . .                  | 3198 020 41190 | 9627 | Jumper . . . . . | 3198 036 90010 |
| 7409   | Transistor, Signal, BC857B . . . . .                  | 3198 010 42150 | 9628 | Jumper . . . . . | 3198 036 90010 |
| 7471   | IC, TDA9302H . . . . .                                | 9322 088 25682 | 9629 | Jumper . . . . . | 3198 036 90010 |
| S 7515 | Opto Coupler TCET1103. . . . .                        | 9322 140 14667 | 9630 | Jumper . . . . . | 3198 036 90010 |
| 7520   | IC, TEA1507P/N1. . . . .                              | 9352 673 56112 | 9631 | Jumper . . . . . | 3198 036 90010 |
| 7521   | Field Effect Transistor, Power, STP5NC<br>50. . . . . | 9322 160 71687 | 9632 | Jumper . . . . . | 3198 036 90010 |
| 7522   | Transistor, Signal, BC847B . . . . .                  | 3198 010 42030 | 9633 | Jumper . . . . . | 3198 036 90010 |
| 7540   | Transistor, Signal, BC547B . . . . .                  | 3198 020 40030 | 9634 | Jumper . . . . . | 3198 036 90010 |
| 7541   | Transistor, Signal, PPTC114ET. . . . .                | 9340 310 10215 | 9635 | Jumper . . . . . | 3198 036 90010 |
| 7542   | Transistor, Signal, BC857B . . . . .                  | 3198 010 42150 | 9636 | Jumper . . . . . | 3198 036 90010 |
| 7560   | IC, LE33CZ . . . . .                                  | 9322 106 11676 | 9637 | Jumper . . . . . | 3198 036 90010 |
| 7561   | Transistor, Signal, PPTC143ZT. . . . .                | 9340 547 00215 | 9638 | Jumper . . . . . | 3198 036 90010 |
| 7562   | Transistor, Signal, BC857B . . . . .                  | 3198 010 42150 | 9639 | Jumper . . . . . | 3198 036 90010 |
| 7564   | Transistor, Signal, BC857B . . . . .                  | 3198 010 42150 | 9640 | Jumper . . . . . | 3198 036 90010 |
| 7580   | Transistor, Signal, BC857B . . . . .                  | 3198 010 42150 | 9641 | Jumper . . . . . | 3198 036 90010 |
| 7602   | IC, M24C16-WBN6. . . . .                              | 9322 147 25682 | 9642 | Jumper . . . . . | 3198 036 90010 |
| 7801   | IC, HEF4052BT. . . . .                                | 9333 729 50653 | 9643 | Jumper . . . . . | 3198 036 90010 |
| 7802   | IC, HEF4053BT . . . . .                               | 9333 729 60653 | 9644 | Jumper . . . . . | 3198 036 90010 |
| 7803   | Transistor, Signal, BC847B . . . . .                  | 3198 010 42030 | 9645 | Jumper . . . . . | 3198 036 90010 |
| 7804   | Transistor, Signal, BC847B . . . . .                  | 3198 010 42030 | 9648 | Jumper . . . . . | 3198 036 90010 |
| 7831   | IC, MSP3445G-PO-B8 . . . . .                          | 9322 160 81682 | 9650 | Jumper . . . . . | 3198 036 90010 |
| 7901   | IC, AN7522N. . . . .                                  | 9322 158 65667 | 9653 | Jumper . . . . . | 3198 036 90010 |
| 9001   | Jumper . . . . .                                      | 3198 036 90010 | 9654 | Jumper . . . . . | 3198 036 90010 |
| 9121   | Jumper . . . . .                                      | 3198 036 90010 | 9655 | Jumper . . . . . | 3198 036 90010 |
| 9122   | Jumper . . . . .                                      | 3198 036 90010 | 9656 | Jumper . . . . . | 3198 036 90010 |
| 9171   | Jumper . . . . .                                      | 3198 036 90010 | 9657 | Jumper . . . . . | 3198 036 90010 |
| 9172   | Jumper . . . . .                                      | 3198 036 90010 | 9658 | Jumper . . . . . | 3198 036 90010 |
| 9173   | Jumper . . . . .                                      | 3198 036 90010 | 9659 | Jumper . . . . . | 3198 036 90010 |
| 9174   | Jumper . . . . .                                      | 3198 036 90010 | 9660 | Jumper . . . . . | 3198 036 90010 |
| 9175   | Jumper . . . . .                                      | 3198 036 90010 | 9661 | Jumper . . . . . | 3198 036 90010 |
| 9177   | Jumper . . . . .                                      | 3198 036 90010 | 9662 | Jumper . . . . . | 3198 036 90010 |
| 9181   | Jumper . . . . .                                      | 3198 036 90010 | 9663 | Jumper . . . . . | 3198 036 90010 |
| 9182   | Jumper . . . . .                                      | 3198 036 90010 | 9664 | Jumper . . . . . | 3198 036 90010 |
| 9183   | Jumper . . . . .                                      | 3198 036 90010 | 9665 | Jumper . . . . . | 3198 036 90010 |
| 9191   | Jumper . . . . .                                      | 3198 036 90010 | 9666 | Jumper . . . . . | 3198 036 90010 |
| 9192   | Jumper . . . . .                                      | 3198 036 90010 | 9668 | Jumper . . . . . | 3198 036 90010 |
| 9193   | Jumper . . . . .                                      | 3198 036 90010 | 9669 | Jumper . . . . . | 3198 036 90010 |
| 9301   | Jumper . . . . .                                      | 3198 036 90010 | 9670 | Jumper . . . . . | 3198 036 90010 |
| 9302   | Jumper . . . . .                                      | 3198 036 90010 | 9672 | Jumper . . . . . | 3198 036 90010 |
| 9303   | Jumper . . . . .                                      | 3198 036 90010 | 9673 | Jumper . . . . . | 3198 036 90010 |
| 9304   | Jumper . . . . .                                      | 3198 036 90010 | 9674 | Jumper . . . . . | 3198 036 90010 |
| 9402   | Jumper . . . . .                                      | 3198 036 90010 | 9675 | Jumper . . . . . | 3198 036 90010 |
| 9403   | Jumper . . . . .                                      | 3198 036 90010 | 9676 | Jumper . . . . . | 3198 036 90010 |
| 9404   | Jumper . . . . .                                      | 3198 036 90010 | 9678 | Jumper . . . . . | 3198 036 90010 |
| 9420   | Jumper . . . . .                                      | 3198 036 90010 | 9679 | Jumper . . . . . | 3198 036 90010 |
| 9421   | Jumper . . . . .                                      | 3198 036 90010 | 9680 | Jumper . . . . . | 3198 036 90010 |
| 9425   | Jumper . . . . .                                      | 3198 036 90010 | 9682 | Jumper . . . . . | 3198 036 90010 |
| 9426   | Jumper . . . . .                                      | 3198 036 90010 | 9683 | Jumper . . . . . | 3198 036 90010 |
| 9427   | Jumper . . . . .                                      | 3198 036 90010 | 9684 | Jumper . . . . . | 3198 036 90010 |
| 9428   | Jumper . . . . .                                      | 3198 036 90010 | 9685 | Jumper . . . . . | 3198 036 90010 |
| 9430   | Jumper . . . . .                                      | 3198 036 90010 | 9686 | Jumper . . . . . | 3198 036 90010 |
| 9431   | Jumper . . . . .                                      | 3198 036 90010 | 9687 | Jumper . . . . . | 3198 036 90010 |
| 9432   | Jumper . . . . .                                      | 3198 036 90010 | 9688 | Jumper . . . . . | 3198 036 90010 |
| 9433   | Jumper . . . . .                                      | 3198 036 90010 | 9689 | Jumper . . . . . | 3198 036 90010 |
| 9434   | Jumper . . . . .                                      | 3198 036 90010 | 9690 | Jumper . . . . . | 3198 036 90010 |
| 9471   | Jumper . . . . .                                      | 3198 036 90010 | 9691 | Jumper . . . . . | 3198 036 90010 |
| 9500   | Jumper . . . . .                                      | 3198 036 90010 | 9694 | Jumper . . . . . | 3198 036 90010 |
| 9501   | Jumper . . . . .                                      | 3198 036 90010 | 9695 | Jumper . . . . . | 3198 036 90010 |
| 9504   | Jumper . . . . .                                      | 3198 036 90010 | 9697 | Jumper . . . . . | 3198 036 90010 |
| 9506   | Jumper . . . . .                                      | 3198 036 90010 | 9698 | Jumper . . . . . | 3198 036 90010 |
| 9507   | Jumper . . . . .                                      | 3198 036 90010 | 9699 | Jumper . . . . . | 3198 036 90010 |
| 9508   | Jumper . . . . .                                      | 3198 036 90010 | 9811 | Jumper . . . . . | 3198 036 90010 |
| 9509   | Jumper . . . . .                                      | 3198 036 90010 | 9812 | Jumper . . . . . | 3198 036 90010 |
| 9510   | Jumper . . . . .                                      | 3198 036 90010 | 9813 | Jumper . . . . . | 3198 036 90010 |
| 9511   | Jumper . . . . .                                      | 3198 036 90010 | 9814 | Jumper . . . . . | 3198 036 90010 |
| 9512   | Jumper . . . . .                                      | 3198 036 90010 | 9815 | Jumper . . . . . | 3198 036 90010 |
| 9513   | Jumper . . . . .                                      | 3198 036 90010 | 9816 | Jumper . . . . . | 3198 036 90010 |
| 9514   | Jumper . . . . .                                      | 3198 036 90010 | 9817 | Jumper . . . . . | 3198 036 90010 |
| 9517   | Jumper . . . . .                                      | 3198 036 90010 | 9818 | Jumper . . . . . | 3198 036 90010 |
| 9520   | Jumper . . . . .                                      | 3198 036 90010 | 9820 | Jumper . . . . . | 3198 036 90010 |
| 9521   | Jumper . . . . .                                      | 3198 036 90010 | 9821 | Jumper . . . . . | 3198 036 90010 |
| 9522   | Jumper . . . . .                                      | 3198 036 90010 | 9822 | Jumper . . . . . | 3198 036 90010 |
| 9523   | Jumper . . . . .                                      | 3198 036 90010 | 9824 | Jumper . . . . . | 3198 036 90010 |
| 9524   | Jumper . . . . .                                      | 3198 036 90010 | 9825 | Jumper . . . . . | 3198 036 90010 |
| 9610   | Jumper . . . . .                                      | 3198 036 90010 | 9826 | Jumper . . . . . | 3198 036 90010 |
| 9611   | Jumper . . . . .                                      | 3198 036 90010 | 9827 | Jumper . . . . . | 3198 036 90010 |
| 9612   | Jumper . . . . .                                      | 3198 036 90010 | 9828 | Jumper . . . . . | 3198 036 90010 |
| 9613   | Jumper . . . . .                                      | 3198 036 90010 | 9829 | Jumper . . . . . | 3198 036 90010 |
| 9614   | Jumper . . . . .                                      | 3198 036 90010 | 9830 | Jumper . . . . . | 3198 036 90010 |
| 9615   | Jumper . . . . .                                      | 3198 036 90010 | 9832 | Jumper . . . . . | 3198 036 90010 |
| 9616   | Jumper . . . . .                                      | 3198 036 90010 | 9911 | Jumper . . . . . | 3198 036 90010 |
| 9617   | Jumper . . . . .                                      | 3198 036 90010 | 9912 | Jumper . . . . . | 3198 036 90010 |
|        |   |                | 9913 | Jumper . . . . . | 3198 036 90010 |

S = Safety Part Be sure to use exact replacement part.

## 19PS50S122 (continued)

|      |                        |      |     |       |
|------|------------------------|------|-----|-------|
| 9914 | Jumper . . . . .       | 3198 | 036 | 90010 |
| 9915 | Jumper . . . . .       | 3198 | 036 | 90010 |
| 9916 | Jumper . . . . .       | 3198 | 036 | 90010 |
| 9917 | Jumper . . . . .       | 3198 | 036 | 90010 |
| 9921 | Jumper . . . . .       | 3198 | 036 | 90010 |
| 9991 | Jumper . . . . .       | 3198 | 036 | 90010 |
| 9993 | Jumper . . . . .       | 3198 | 036 | 90010 |
| 9994 | Jumper . . . . .       | 3198 | 036 | 90010 |
| 9996 | Jumper . . . . .       | 3198 | 036 | 90010 |
| 9997 | Jumper . . . . .       | 3198 | 036 | 90010 |
| 9998 | Jumper . . . . .       | 3198 | 036 | 90010 |
| CBA  | Main Chassis . . . . . | 3139 | 137 | 21051 |

### Model 19PS50S/122 Cabinet Parts

|                                 |  |      |     |       |
|---------------------------------|--|------|-----|-------|
| Model 19PS50S/122 Cabinet Parts |  |      |     |       |
| S AC01                          | AC Power Cord. . . . .   | 3135 | 010 | 04771 |
| AC03                            | Cabinet, Back. . . . .   | 3139 | 124 | 35351 |
| AC04                            | Cabinet, Front . . . . .   | 3139 | 137 | 83621 |
| AC05                            | Chassis Guide, Right Rail. . . . .                               | 3135 | 014 | 00691 |
| AC06                            | Control Buttons. . . . .   | 3139 | 137 | 83601 |
| AC08                            | CRT A48JLL40X46(M) . . . . .                                     | 9322 | 131 | 82682 |
| S AC09                          | Degaussing Coil, 19" . . . . .                                   | 2422 | 549 | 44428 |
| AC10                            | Degaussing Coil Holder (4 Used). . . . .                         | 3135 | 013 | 01641 |
| AC11                            | Light Guide. . . . .   | 3139 | 124 | 36021 |
| AC12                            | Nameplate. . . . .   | 3139 | 120 | 01391 |
| AC13                            | Owner's Manual . . . . .   | 3121 | 235 | 20071 |
| AC14                            | Power Button . . . . .   | 3139 | 137 | 83611 |
| S AC18                          | ITC = Integrated Tube Component, CRT &<br>Yoke Pre-Set . . . . . | 0000 | 000 | 00ITC |
| AC21                            | Battery, Zinc, 1.5V, 2-Pk. . . . .                               | 9299 | 000 | 65263 |
| AC24                            | Spring, Braid Tension. . . . .                                   | 3139 | 121 | 26231 |
| AC32                            | Assembly Braid, 19". . . . .                                     | 3135 | 010 | 07321 |
| REMOTE                          | Remote Transmitter . . . . .                                     | 3139 | 228 | 86491 |

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|              |   |      |           |        |   |      |     |       |
|--------------|---|------|-----------|--------|---|------|-----|-------|
| Main Chassis |   |      |           | 2253   | 1000pF., 50 Volt, NP0, Ceramic          | 3198 | 016 | 01020 |
| Main Chassis |   |      |           | 2254   | 100pF., 50 Volt, NP0, Ceramic           | 3198 | 016 | 01010 |
| 0139         | IC-SPRING 7402                          | 3139 | 121 24581 | 2313   | 220pF., 50 Volt, NP0, Ceramic           | 3198 | 016 | 02210 |
| 7200         | IC, 1U81 Software Cluster               | 9352 | 699 87557 | 2323   | 390pF., 50 Volt, NP0, Ceramic           | 3198 | 016 | 03910 |
| 0040         | 3 Pin Cinch Cover, (Insert on 3 Pin cin |      |           | 2331   | 390pF., 50 Volt, NP0, Ceramic           | 3198 | 016 | 03910 |
|              | ch (Front)).                            | 3139 | 124 25551 | 2341   | 2200pF, 10%, 1kV, Ceramic               | 2020 | 558 | 90571 |
| 0122         | Frame, Heatsink.                        | 3139 | 121 26952 | 2342   | 0.047uF, 10%, 250 V, Metalized Polyeste | 2222 | 365 | 45473 |
| 0123         | Audio Heatsink                          | 3139 | 121 26932 | 2343   | 0.047uF, 10%, 250 V, Metalized Polyeste | 2222 | 365 | 45473 |
| 0124         | Heatsink                                | 3139 | 121 26941 | 2401   | 680pF., 50 Volt, Ceramic                | 3198 | 019 | 16810 |
| 0127         | Socket, Fuse Holder.                    | 3122 | 358 71251 | 2402   | 0.68uF, 5%, 250V, Polypropylene.        | 2222 | 479 | 90027 |
| 0136         | Spring, IC                              | 3104 | 301 22081 | 2406   | 330pF., 50 Volt, NP0, Ceramic           | 3198 | 016 | 03310 |
| 0137         | Spring                                  | 3139 | 121 24581 | 2407   | 0.011uF, 5%, 1.6kV, Polypropylene.      | 2222 | 375 | 90155 |
| 0138         | Spring, IC                              | 3104 | 301 22081 | 2408   | 0.022uF., 50V, Ceramic                  | 3198 | 019 | 22230 |
| 0139         | Spring                                  | 3122 | 121 24786 | 2409   | 47uF, 20%, 160 Volt, Electrolytic.      | 2020 | 021 | 91139 |
| 0152         | Cable, 6 Pin                            | 3139 | 121 08841 | 2410   | 470uF, 20%, 16 Volt, Electrolytic.      | 2020 | 021 | 91577 |
| 0153         | Cable, 3Pin, 400MM                      | 3104 | 301 09421 | 2411   | 47uF., 20%, 25V, Electrolytic.          | 2020 | 021 | 90586 |
| 0165         | 1 Pin Connector.                        | 3104 | 301 09511 | 2412   | 0.033uF, 10%, 100 V, Polyester          | 2222 | 347 | 90236 |
| 0211         | 2 Pin Connector.                        | 2422 | 025 16269 | 2413   | 10uF, 20%, 250 Volt, Electrolytic       | 2020 | 012 | 93495 |
| 0212         | 2 Pin Connector.                        | 2422 | 025 16375 | 2414   | 1000uF, 20%, 16 Volt, Electrolytic      | 2020 | 021 | 91049 |
| 0217         | 3 Pin Connector.                        | 2412 | 020 00725 | 2417   | 1000uF, 20%, 16 Volt, Electrolytic      | 2020 | 021 | 91049 |
| 0218         | 3 Pin Connector.                        | 2422 | 026 04742 | 2418   | 0.01uF., 50 Volt, Ceramic               | 3198 | 017 | 01030 |
| 0220         | 3 Pin Connector.                        | 2422 | 025 04851 | 2419   | 1uF., 20%, 50V, Electrolytic            | 2020 | 021 | 91147 |
| 0221         | 4 Pin Connector.                        | 2422 | 025 15503 | 2420   | 1.0uF., 20%, 50V, Electrolytic          | 3198 | 025 | 51080 |
| 0222         | 2 Pin Connector.                        | 2422 | 025 10646 | 2421   | 0.047uF., 50 Volt, Ceramic              | 3198 | 017 | 24730 |
| 0223         | Socket, Cinch, 6 Pin                    | 2422 | 026 05184 | 2422   | 470uF, 20%, 16 Volt, Electrolytic.      | 2020 | 021 | 91577 |
| 0225         | 10 Pin Socket.                          | 2422 | 026 04926 | 2423   | 10uF, 20%, 100V, Electrolytic           | 2020 | 021 | 90813 |
| 0232         | Headphone Jack                          | 2422 | 026 04747 | 2471   | 0.1uF., 10%, 50 Volt, Polyester.        | 3198 | 014 | 01040 |
| 0243         | 6 Pin Connector.                        | 2422 | 025 04854 | 2472   | 0.1uF., 10%, 50 Volt, Polyester.        | 3198 | 014 | 01040 |
| 0244         | 3 Pin Connector.                        | 2422 | 025 04851 | 2473   | 100uF, 20%, 50V, Electrolytic           | 2020 | 021 | 90587 |
| 0245         | 6 Pin Connector.                        | 2422 | 025 04854 | 2475   | 470pF., 50 Volt, NP0, Ceramic           | 3198 | 016 | 04710 |
| 0246         | 5 Pin Connector.                        | 2422 | 025 15848 | 2476   | 0.22uF., 10%, 50 Volt, Polyester        | 3198 | 014 | 02240 |
| 0254         | CRT Socket, 9 Pin, N-Neck.              | 2422 | 500 80067 | 2477   | 470pF., 50 Volt, NP0, Ceramic           | 3198 | 016 | 04710 |
| 1000         | Tuner, PLL, ENV56D98G3                  | 2422 | 542 90108 | S 2500 | 0.47uF, 20%, 275 V, Polypropylene       | 2222 | 336 | 29148 |
| 1002         | SAW Filter, 45.75MHz.                   | 2422 | 549 44327 | 2501   | 2200pF., 1kV, Ceramic                   | 3198 | 019 | 52220 |
| 1200         | Ceramic Filter, 4.5MHz                  | 2422 | 549 40807 | 2502   | 2200pF., 1kV, Ceramic                   | 3198 | 019 | 52220 |
| S 1500       | Fuse, 4 Amp, 250 Volt                   | 2422 | 086 10869 | 2503   | 220uF, 20%, 200 Volt, Electrolytic      | 2020 | 024 | 90585 |
| S 1500       | Fuse, 4 A, 250V.                        | 2422 | 086 10914 | 2506   | 2200pF., 1kV, Ceramic                   | 3198 | 019 | 52220 |
| S 1515       | Relay, 1 Pin, 12 Volt, 5 Amp            | 2422 | 132 07444 | 2508   | 470pF., 10%, 1kV, Ceramic               | 3198 | 019 | 64710 |
| 1600         | Tactile Switch                          | 2422 | 128 02742 | S 2515 | 1500pF, 20%, 250 Volt, Ceramic          | 2020 | 554 | 90128 |
| 1601         | Tactile Switch                          | 2422 | 128 02742 | 2520   | 0.1uF., 16 Volt, Ceramic                | 3198 | 017 | 01040 |
| 1602         | Tactile Switch                          | 2422 | 128 02742 | 2521   | 22uF., 20%, 50V, Electrolytic.          | 3198 | 025 | 52290 |
| 1603         | Tactile Switch                          | 2422 | 128 02742 | 2522   | 0.1uF., 16 Volt, Ceramic                | 3198 | 017 | 01040 |
| 1606         | Tactile Switch                          | 2422 | 128 02742 | 2523   | 1500pF, 10%, 2kV, Ceramic               | 2020 | 558 | 90489 |
| 1660         | Crystal Resonator, 12.000 MHz.          | 2422 | 543 01203 | 2525   | 470pF., 50 Volt, Ceramic                | 3198 | 017 | 04710 |
| 1831         | Crystal Resonator, 18.432 MHz.          | 2422 | 543 00842 | 2526   | 1000pF., 50 Volt, Ceramic               | 3198 | 017 | 01020 |
| 2004         | 0.047uF., 25 Volt, Ceramic              | 3198 | 023 04730 | 2527   | 470pF., 50 Volt, Ceramic                | 3198 | 017 | 04710 |
| 2005         | 10uF., 20%, 50V, Electrolytic.          | 3198 | 025 51090 | 2540   | 0.015uF., 50 Volt, Ceramic              | 3198 | 017 | 01530 |
| 2006         | 470uF., 20%, 16V, Electrolytic          | 3198 | 025 24710 | 2560   | 1000pF., 10%, 1kV, Ceramic              | 3198 | 019 | 61020 |
| 2007         | 0.1uF., 25V, Ceramic                    | 3198 | 023 21040 | 2561   | 47uF, 20%, 160V, Electrolytic.          | 2020 | 021 | 91358 |
| 2008         | 100uF., 20%, 25V, Electrolytic          | 3198 | 025 31010 | 2562   | 1000pF, 50 Volt, Ceramic                | 3198 | 019 | 11020 |
| 2009         | 0.022uF., 50 Volt, Ceramic.             | 3198 | 017 02230 | 2563   | 0.1uF., 10%, 50 Volt, Polyester.        | 3198 | 014 | 01040 |
| 2101         | 0.47uF., 16 Volt, Ceramic.              | 3198 | 017 24740 | 2564   | 2200uF, 20%, 16 Volt, Electrolytic      | 2020 | 012 | 93057 |
| 2102         | 22pF., 50 Volt, NP0, Ceramic            | 3198 | 016 02290 | 2565   | 470pF., 10%, 1kV, Ceramic               | 3198 | 019 | 64710 |
| 2103         | 330pF., 50 Volt, NP0, Ceramic.          | 3198 | 016 03310 | 2566   | 47uF., 20%, 25V, Electrolytic.          | 3198 | 025 | 34790 |
| 2104         | 330pF., 50 Volt, NP0, Ceramic.          | 3198 | 016 03310 | 2567   | 47uF., 20%, 25V, Electrolytic.          | 3198 | 025 | 34790 |
| 2105         | 10uF., 20%, 50V, Electrolytic.          | 3198 | 025 51090 | 2568   | 1.0uF., 20%, 50V, Electrolytic          | 3198 | 025 | 51080 |
| 2106         | 10uF., 20%, 50V, Electrolytic.          | 3198 | 025 51090 | 2569   | 470pF., 50 Volt, Ceramic                | 3198 | 017 | 04710 |
| 2122         | 330pF., 50 Volt, NP0, Ceramic.          | 3198 | 016 03310 | 2580   | 47uF., 20%, 25V, Electrolytic.          | 3198 | 025 | 34790 |
| 2123         | 2.2uF., 10 Volt, Ceramic                | 3198 | 017 22250 | 2601   | 0.22uF., 25V, Ceramic.                  | 3198 | 023 | 22240 |
| 2124         | 330pF., 50 Volt, NP0, Ceramic.          | 3198 | 016 03310 | 2602   | 100pF., 50 Volt, NP0, Ceramic           | 3198 | 016 | 01010 |
| 2125         | 2.2uF., 10 Volt, Ceramic                | 3198 | 017 22250 | 2606   | 1000pF., 50 Volt, NP0, Ceramic          | 3198 | 016 | 01020 |
| 2135         | 22pF., 50 Volt, NP0, Ceramic            | 3198 | 016 02290 | 2607   | 33pF., 5%, 50V, NP0, Ceramic            | 3198 | 016 | 03390 |
| 2136         | 22pF., 50 Volt, NP0, Ceramic            | 3198 | 016 02290 | 2608   | 1uF., 16V, Ceramic                      | 3198 | 017 | 21050 |
| 2141         | 330pF., 50 Volt, NP0, Ceramic.          | 3198 | 016 03310 | 2609   | 33pF., 5%, 50V, NP0, Ceramic            | 3198 | 016 | 03390 |
| 2181         | 22pF., 50 Volt, NP0, Ceramic            | 3198 | 016 02290 | 2611   | 1uF., 16V, Ceramic                      | 3198 | 017 | 21050 |
| 2182         | 330pF., 50 Volt, NP0, Ceramic.          | 3198 | 016 03310 | 2612   | 68pF., 50 Volt, NP0, Ceramic            | 3198 | 016 | 06890 |
| 2183         | 330pF., 50 Volt, NP0, Ceramic.          | 3198 | 016 03310 | 2613   | 68pF., 50 Volt, NP0, Ceramic            | 3198 | 016 | 06890 |
| 2184         | 2.2uF., 10 Volt, Ceramic                | 3198 | 017 22250 | 2615   | 1000pF., 50 Volt, NP0, Ceramic          | 3198 | 016 | 01020 |
| 2202         | 0.1uF., 25V, Ceramic                    | 3198 | 023 21040 | 2618   | 1uF., 16V, Ceramic                      | 3198 | 017 | 21050 |
| 2203         | 0.1uF., 25V, Ceramic                    | 3198 | 023 21040 | 2619   | 1uF., 16V, Ceramic                      | 3198 | 017 | 21050 |
| 2204         | 0.1uF., 25V, Ceramic                    | 3198 | 023 21040 | 2691   | 100uF., 20%, 25V, Electrolytic          | 3198 | 025 | 31010 |
| 2205         | 0.22uF., 25V, Ceramic.                  | 3198 | 023 22240 | 2801   | 22uF., 20%, 50V, Electrolytic.          | 3198 | 025 | 52290 |
| 2208         | 0.1uF., 25V, Ceramic                    | 3198 | 023 21040 | 2802   | 0.22uF., 25V, Ceramic.                  | 3198 | 023 | 22240 |
| 2209         | 4.7uF., 20%, 50V, Electrolytic          | 3198 | 025 54780 | 2803   | 2.2uF., 10 Volt, Ceramic                | 3198 | 017 | 22250 |
| 2210         | 0.47uF., 20%, 50V, Electrolytic.        | 3198 | 025 54770 | 2804   | 4.7uF, +80/-20%, 10 Volt, Ceramic       | 2020 | 552 | 96305 |
| 2211         | 0.47uF., 16 Volt, Ceramic.              | 3198 | 017 24740 | 2805   | 4.7uF, +80/-20%, 10 Volt, Ceramic       | 2020 | 552 | 96305 |
| 2216         | 470uF., 20%, 16V, Electrolytic          | 3198 | 025 24710 | 2831   | 1pF, 50 Volt, NP0, Ceramic              | 3198 | 016 | 01080 |
| 2217         | 0.022uF., 50 Volt, Ceramic.             | 3198 | 017 02230 | 2832   | 1pF, 50 Volt, NP0, Ceramic              | 3198 | 016 | 01080 |
| 2219         | 0.22uF., 25V, Ceramic.                  | 3198 | 023 22240 | 2833   | 47pF., 50 Volt, NP0, Ceramic            | 3198 | 016 | 04790 |
| 2220         | 0.47uF., 10%, 50 Volt, Polyester        | 3198 | 014 04740 | 2834   | 470pF., 50 Volt, NP0, Ceramic.          | 3198 | 016 | 04710 |
| 2221         | 0.022uF., 50 Volt, Ceramic              | 3198 | 017 22230 | 2835   | 220pF., 50 Volt, NP0, Ceramic.          | 3198 | 016 | 02210 |
| 2233         | 820pF., 50 Volt, NP0, Ceramic.          | 3198 | 016 08210 | 2836   | 1500pF., 50 Volt, Ceramic.              | 3198 | 017 | 01520 |
| 2241         | 1500pF., 50 Volt, Ceramic.              | 3198 | 017 01520 | 2837   | 4.7uF., 20%, 50V, Electrolytic          | 3198 | 025 | 54780 |
| 2242         | 1uF., 16V, Ceramic                      | 3198 | 017 21050 | 2838   | 47pF., 50 Volt, NP0, Ceramic            | 3198 | 016 | 04790 |
| 2243         | 2200pF., 50 Volt, Ceramic.              | 3198 | 017 02220 | 2839   | 47pF., 50 Volt, NP0, Ceramic            | 3198 | 016 | 04790 |
| 2244         | 0.1uF., 10%, 63V, Metalized Polyester.  | 2222 | 370 75104 | 2840   | 0.1uF., 25V, Ceramic                    | 3198 | 023 | 21040 |
| 2245         | 0.22uF., 25V, Ceramic.                  | 3198 | 023 22240 | 2841   | 10uF., 20%, 50V, Electrolytic.          | 3198 | 025 | 51090 |
| 2247         | 470uF., 20%, 16V, Electrolytic          | 3198 | 025 24710 | 2842   | 0.1uF., 25V, Ceramic                    | 3198 | 023 | 21040 |
| 2248         | 0.022uF., 50 Volt, Ceramic.             | 3198 | 017 02230 | 2843   | 10uF., 20%, 50V, Electrolytic.          | 3198 | 025 | 51090 |
| 2249         | 0.022uF., 50 Volt, Ceramic.             | 3198 | 017 02230 | 2844   | 10uF., 20%, 50V, Electrolytic.          | 3198 | 025 | 51090 |
| 2250         | 2.2uF., 20%, 50V, Electrolytic          | 3198 | 025 52280 | 2845   | 0.1uF., 25V, Ceramic                    | 3198 | 023 | 21040 |
| 2252         | 1000pF., 50 Volt, NP0, Ceramic          | 3198 | 016 01020 | 2846   | 100uF., 20%, 25V, Electrolytic          | 3198 | 025 | 31010 |

S = Safety Part      Be sure to use exact replacement part.

# 19PS50S125 (continued)

|        |  |                |        |  |                |
|--------|--|----------------|--------|--|----------------|
| 2849   | 1000pF., 50 Volt, NP0, Ceramic . . . .     | 3198 016 01020 | 3322   | 330 ohm 5%, . . . . .                      | 3198 021 53310 |
| 2850   | 1000pF., 50 Volt, NP0, Ceramic . . . .     | 3198 016 01020 | 3323   | 10 ohm, 5%, . . . . .                      | 3198 021 51090 |
| 2851   | 4.7uF., +80/-20%, 10 Volt, Ceramic . . . . | 2020 552 96305 | S 3324 | 18k, 5%, 3W, Metal Film. . . . .           | 2322 195 63183 |
| 2852   | 1000pF., 50 Volt, NP0, Ceramic . . . .     | 3198 016 01020 | 3326   | 68 ohm, 5%, Fusible Resistor . . . . .     | 2306 204 03689 |
| 2853   | 4.7uF., +80/-20%, 10 Volt, Ceramic . . . . | 2020 552 96305 | S 3327 | 1.5k, 20%, 1/2W, Carbon Composition. . . . | 3198 013 01520 |
| 2854   | 1000pF., 50 Volt, NP0, Ceramic . . . .     | 3198 016 01020 | 3331   | 1.5k, 5%, . . . . .                        | 3198 021 51520 |
| 2855   | 33pF., 50 Volt, NP0, Ceramic . . . .       | 3198 019 03390 | 3332   | 330 ohm 5%, . . . . .                      | 3198 021 53310 |
| 2856   | 47pF., 50 Volt, NP0, Ceramic . . . .       | 3198 016 04790 | 3333   | 10 ohm, 5%, . . . . .                      | 3198 021 51090 |
| 2857   | 150pF., 50 Volt, NP0, Ceramic . . . .      | 3198 016 01510 | S 3334 | 18k, 5%, 3W, Metal Film. . . . .           | 2322 195 63183 |
| 2860   | 180pF., 50 Volt, NP0, Ceramic . . . .      | 3198 016 01810 | 3336   | 68 ohm, 5%, Fusible Resistor . . . . .     | 2306 204 03689 |
| 2894   | 220pF., 50 Volt, NP0, Ceramic . . . .      | 3198 016 02210 | S 3337 | 1.5k, 20%, 1/2W, Carbon Composition. . . . | 3198 013 01520 |
| 2895   | 560pF., 50 Volt, NP0, Ceramic . . . .      | 3198 016 05610 | S 3341 | 1.5k, 20%, 1/2W, Carbon Composition. . . . | 3198 013 01520 |
| 2897   | 390pF., 50 Volt, NP0, Ceramic . . . .      | 3198 016 03910 | S 3347 | 220 ohm, 5%, Fusible Resistor. . . . .     | 2306 204 03221 |
| 2898   | 0.01uF., 50 Volt, Ceramic . . . .          | 3198 017 01030 | S 3348 | 1.5k, 20%, 1/2W, Carbon Composition. . . . | 3198 013 01520 |
| 2902   | 1000uF., 20%, 16V, Electrolytic . . . .    | 3198 026 21020 | S 3349 | Fusible Resistor, 1 ohm, 5%. . . . .       | 2306 204 03108 |
| 2903   | 1.0uF., 20%, 50V, Electrolytic . . . .     | 3198 025 51080 | S 3350 | Fusible Resistor, 1 ohm, 5%. . . . .       | 2306 204 03108 |
| 2904   | 0.47uF., 16 Volt, Ceramic . . . .          | 3198 017 24740 | 3401   | 330k, 5%, 1/2W, Metalized Glass. . . . .   | 2322 242 13334 |
| 2905   | 1000pF., 50 Volt, NP0, Ceramic . . . .     | 3198 016 01020 | 3402   | 18k, 5%, 1/6W, Carbon. . . . .             | 3198 011 01830 |
| 2906   | 0.47uF., 16 Volt, Ceramic . . . .          | 3198 017 24740 | S 3403 | Power Resistor, 22 ohm, 5%, 3 W. . . . .   | 3198 012 32290 |
| 2907   | 1000pF., 50 Volt, NP0, Ceramic . . . .     | 3198 016 01020 | S 3404 | Fusible Resistor, 6.8 ohm, 5%. . . . .     | 2306 204 03688 |
| 2908   | 10uF., 20%, 50V, Electrolytic . . . .      | 3198 025 51090 | 3406   | 10k, 5%, 1/6 W, Carbon . . . . .           | 3198 011 01030 |
| 2981   | 10uF., 20%, 50V, Electrolytic . . . .      | 3198 025 51090 | S 3407 | 220 ohm, 5%, 3W, Metal Film. . . . .       | 2322 195 63221 |
| 2982   | 470pF., 50 Volt, NP0, Ceramic . . . .      | 3198 016 04710 | 3408   | 1k, 5%, 1/6 W, Carbon. . . . .             | 3198 011 01020 |
| 2983   | 10uF., 20%, 50V, Electrolytic . . . .      | 3198 025 51090 | 3410   | 33k, 5%, . . . . .                         | 3198 021 53330 |
| 2984   | 470pF., 50 Volt, NP0, Ceramic . . . .      | 3198 016 04710 | S 3411 | Fusible Resistor, 10 ohm, 5%. . . . .      | 2306 204 03109 |
| 3000   | 100 ohm, 5%, 1/6 W, Carbon . . . .         | 3198 011 01010 | 3412   | 3.3k, 1%, Metal Film . . . . .             | 2322 156 23302 |
| 3001   | 100 ohm, 5%, 1/6 W, Carbon . . . .         | 3198 011 01010 | 3413   | 10k, 5%, . . . . .                         | 3198 021 51030 |
| 3002   | Jumper, 0.05 ohm . . . . .                 | 3198 021 90020 | 3414   | 1.5k, 1%, Metal Film . . . . .             | 2322 156 21502 |
| 3003   | 1.5k, 5%, . . . . .                        | 3198 021 51520 | 3415   | 1k, 5%, 1/6 W, Carbon. . . . .             | 3198 011 01020 |
| 3004   | 8.2k, 5%, . . . . .                        | 3198 021 58220 | S 3416 | 3.9 ohm, 5%, Fusible Resistor. . . . .     | 2306 207 03398 |
| 3005   | 100 ohm, 5%, 1/6 W, Carbon . . . .         | 3198 011 01010 | 3417   | 33k, 5%, 1/6W, Carbon. . . . .             | 3198 011 03330 |
| 3101   | 68 ohm, 5%, 1/6W, Carbon . . . .           | 3198 011 06890 | 3418   | 33k, 5%, . . . . .                         | 3198 021 53330 |
| 3102   | 1k, 5%, . . . . .                          | 3198 021 51020 | 3419   | 6.8k, 5%, . . . . .                        | 3198 021 56820 |
| 3103   | 150 ohm, 5%, 1/6 W, Carbon . . . .         | 3198 011 01510 | 3420   | 33k, 5%, . . . . .                         | 3198 021 53330 |
| 3104   | 220k, 5%, . . . . .                        | 3198 021 52240 | S 3421 | Power Resistor, 6.8 ohm, 5%, 2 W . . . .   | 3198 012 26880 |
| 3105   | 150 ohm, 5%, 1/6 W, Carbon . . . .         | 3198 011 01510 | 3422   | 100 ohm, 5%, . . . . .                     | 3198 021 51010 |
| 3106   | 220k, 5%, . . . . .                        | 3198 021 52240 | 3423   | 820 ohm, 5%, . . . . .                     | 3198 021 58210 |
| 3123   | 150 ohm, 5%, 1/6 W, Carbon . . . .         | 3198 011 01510 | 3424   | 100 ohm, 5%, 1/6 W, Carbon . . . . .       | 3198 011 01010 |
| 3124   | 47k, 5%, . . . . .                         | 3198 021 54730 | 3425   | 12k, 5%, 1/6 W, Carbon . . . . .           | 3198 011 01230 |
| 3125   | 150 ohm, 5%, 1/6 W, Carbon . . . .         | 3198 011 01510 | 3426   | Jumper, 0.05 ohm . . . . .                 | 3198 021 90020 |
| 3126   | 47k, 5%, . . . . .                         | 3198 021 54730 | 3427   | 12k, 5%, 1/6 W, Carbon . . . . .           | 3198 011 01230 |
| 3135   | 75 ohm, 5%, 1/6 W, Carbon. . . .           | 3198 011 07590 | 3428   | 39 ohm, 5%, Fusible Resistor . . . . .     | 2306 207 03399 |
| 3136   | 100 ohm, 5%, 1/6 W, Carbon . . . .         | 3198 011 01010 | 3431   | 2.2k, 5%, . . . . .                        | 3198 021 52220 |
| 3137   | 75 ohm, 5%, 1/6 W, Carbon. . . .           | 3198 011 07590 | 3432   | 22 ohm, 5%, 1/6W, Carbon . . . . .         | 3198 011 02290 |
| 3138   | 100 ohm, 5%, 1/6 W, Carbon . . . .         | 3198 011 01010 | 3471   | 3.9 ohm, 1%, Metal Film. . . . .           | 2322 156 23908 |
| 3141   | 1k, 5%, 1/6 W, Carbon. . . . .             | 3198 011 01020 | 3472   | 3.9 ohm, 1%, Metal Film. . . . .           | 2322 156 23908 |
| 3181   | 75 ohm, 5%, 1/6 W, Carbon. . . .           | 3198 011 07590 | 3473   | 2.2k, 1%, Metal Film . . . . .             | 2322 156 22202 |
| 3182   | 100 ohm, 5%, 1/6 W, Carbon . . . .         | 3198 011 01010 | 3474   | 1k, 5%, 1/6 W, Carbon. . . . .             | 3198 011 01020 |
| 3183   | 150 ohm, 5%, 1/6 W, Carbon . . . .         | 3198 011 01510 | 3475   | 2.2k, 1%, Metal Film . . . . .             | 2322 156 22202 |
| 3184   | 47k, 5%, . . . . .                         | 3198 021 54730 | S 3476 | 1.5 ohm, 5%, Fusible resistor. . . . .     | 2306 204 03158 |
| 3185   | 150 ohm, 5%, 1/6 W, Carbon . . . .         | 3198 011 01510 | 3477   | 220 ohm, 5%, 1/6 W, Carbon . . . . .       | 3198 011 02210 |
| 3186   | 47k, 5%, . . . . .                         | 3198 021 54730 | 3478   | 220 ohm, 5%, 1/6 W, Carbon . . . . .       | 3198 011 02210 |
| 3200   | 390 ohm, 5%, 1/6 W, Carbon . . . .         | 3198 011 03910 | 3479   | 1k, 5%, 1/6 W, Carbon. . . . .             | 3198 011 01020 |
| 3201   | 100 ohm, 5%, 1/6 W, Carbon . . . .         | 3198 011 01010 | S 3500 | 3.3 Meg ohm, 5%, Metalized Glass . . . .   | 2322 242 13335 |
| 3202   | 100 ohm, 5%, 1/6 W, Carbon . . . .         | 3198 011 01010 | S 3501 | 3.3 Meg ohm, 5%, Metalized Glass . . . .   | 2322 242 13335 |
| 3203   | 100 ohm, 5%, 1/6 W, Carbon . . . .         | 3198 011 01010 | S 3502 | NTC, 4.7 ohm, 20%, 3 W . . . . .           | 2122 612 00055 |
| 3204   | 10k, 5%, 1/6 W, Carbon . . . .             | 3198 011 01030 | S 3503 | PTC, 10 ohm, 30%, 120 Volt . . . . .       | 2120 661 00026 |
| 3206   | 100k, 5%, . . . . .                        | 3198 021 51040 | 3506   | 220 ohm, 20%, 1/2 W, Carbon. . . . .       | 3198 013 02210 |
| 3207   | 1k, 5%, 1/6 W, Carbon. . . . .             | 3198 011 01020 | S 3507 | 300 V Surge Protector. . . . .             | 2422 549 43073 |
| 3208   | 220 ohm 5%, . . . . .                      | 3198 021 52210 | 3508   | 1.5 Meg, 5%, Metalized Glass . . . . .     | 2322 242 13155 |
| 3209   | 68 ohm, 5%, . . . . .                      | 3198 021 56890 | 3519   | 270 ohm, 5%, 1/6 W, Carbon . . . . .       | 3198 011 02710 |
| 3212   | 470 ohm, 5%, . . . . .                     | 3198 021 54710 | 3520   | 1.2k, 5%, . . . . .                        | 3198 021 51220 |
| 3213   | 560 ohm, 5%, 1/6W, Carbon. . . .           | 3198 011 05610 | 3521   | 22 ohm, 5%, 1/6W, Carbon . . . . .         | 3198 011 02290 |
| 3217   | 330k, 5%, . . . . .                        | 3198 021 53340 | 3522   | 330k, 5%, . . . . .                        | 3198 021 53340 |
| 3218   | 82k, 5%, . . . . .                         | 3198 021 58230 | S 3523 | Fusible Resistor, 100 ohm, 5%. . . . .     | 2306 204 03101 |
| 3219   | 2.2k, 5%, . . . . .                        | 3198 021 52220 | 3524   | 56k, 5%, . . . . .                         | 3198 021 55630 |
| 3220   | 100 ohm, 5%, 1/6 W, Carbon . . . .         | 3198 011 01010 | 3525   | 1k, 5%, . . . . .                          | 3198 021 51020 |
| 3221   | 560 ohm, 5%, 1/6W, Carbon. . . .           | 3198 011 05610 | S 3526 | Power Resistor, 0.15 ohm, 5%, 1W . . . .   | 3198 012 11570 |
| 3222   | 100 ohm, 5%, 1/6 W, Carbon . . . .         | 3198 011 01010 | S 3527 | Fusible Resistor, 2.2k, 5%. . . . .        | 2306 204 03222 |
| 3226   | 560 ohm, 5%, . . . . .                     | 3198 021 55610 | 3528   | 10k, 5%, . . . . .                         | 3198 021 51030 |
| 3235   | 100 ohm, 5%, 1/6 W, Carbon . . . .         | 3198 011 01010 | 3529   | 47k, 5%, . . . . .                         | 3198 021 54730 |
| 3241   | 22k, 5%, . . . . .                         | 3198 021 52230 | 3530   | 4.7k, 5%, . . . . .                        | 3198 021 54720 |
| 3242   | 27k, 5%, . . . . .                         | 3198 021 52730 | 3531   | Jumper, 0.05 ohm . . . . .                 | 3198 021 90020 |
| 3244   | 820 ohm, 5%, 1/6W, Carbon Film . . . .     | 3198 011 08210 | 3541   | 470 ohm, 5%, . . . . .                     | 3198 021 54710 |
| 3245   | 39k, 5%, . . . . .                         | 3198 021 53930 | 3542   | 1.5k, 5%, . . . . .                        | 3198 021 51520 |
| 3246   | 10k, 5%, . . . . .                         | 3198 021 51030 | 3543   | 82k, 1%, Metal Film . . . . .              | 2322 156 28203 |
| 3247   | 220k, 5%, . . . . .                        | 3198 021 52240 | 3544   | 6.8k, 1%, Metal Film . . . . .             | 2322 156 26802 |
| 3248   | 27k, 5%, . . . . .                         | 3198 021 52730 | 3545   | 82k, 5%, . . . . .                         | 3198 021 58230 |
| 3249   | 820 ohm, 5%, 1/6W, Carbon Film . . . .     | 3198 011 08210 | 3546   | Jumper, 0.05 ohm . . . . .                 | 3198 021 90020 |
| 3251   | 100 ohm, 5%, 1/6 W, Carbon . . . .         | 3198 011 01010 | S 3547 | Power Resistor, 0.33 ohm, 5%, 1 W . . . .  | 3198 012 13370 |
| 3254   | 1 Meg, 5%, . . . . .                       | 3198 021 51050 | 3548   | 8.2k, 5%, . . . . .                        | 3198 021 58220 |
| 3256   | 1k, 5%, . . . . .                          | 3198 021 51020 | 3549   | 220 ohm, 5%, 1/6 W, Carbon . . . . .       | 3198 011 02210 |
| 3257   | 10 Meg, 5%, . . . . .                      | 3198 021 51060 | 3552   | 10k, 5%, . . . . .                         | 3198 021 51030 |
| 3258   | 330k, 5%, . . . . .                        | 3198 021 53340 | 3559   | 1k, 5%, . . . . .                          | 3198 021 51020 |
| 3259   | 470k, 5%, . . . . .                        | 3198 021 54740 | 3560   | 47 ohm, 5%, 1/6 W, Carbon. . . . .         | 3198 011 04790 |
| 3311   | 1.5k, 5%, . . . . .                        | 3198 021 51520 | 3561   | 100 ohm, 5%, 1/6 W, Carbon . . . . .       | 3198 011 01010 |
| 3312   | 330 ohm 5%, . . . . .                      | 3198 021 53310 | 3562   | 10k, 5%, . . . . .                         | 3198 021 51030 |
| 3313   | 10 ohm, 5%, . . . . .                      | 3198 021 51090 | 3563   | 4.7k, 5%, . . . . .                        | 3198 021 54720 |
| S 3314 | 18k, 5%, 3W, Metal Film. . . . .           | 2322 195 63183 | S 3564 | Power Resistor, 0.1 ohm, 5%, 2 W. . . .    | 3198 012 21070 |
| 3316   | 68 ohm, 5%, Fusible Resistor . . . .       | 2306 204 03689 | S 3565 | Power Resistor, 330 ohm, 5%, 1 W . . . .   | 3198 012 13310 |
| S 3317 | 1.5k, 20%, 1/2W, Carbon Composition. .     | 3198 013 01520 | 3566   | 2.2k, 5%, . . . . .                        | 3198 021 52220 |
| 3321   | 1.5k, 5%, . . . . .                        | 3198 021 51520 | 3567   | 2.2k, 5%, . . . . .                        | 3198 021 52220 |

S = Safety Part Be sure to use exact replacement part.

# 19PS50S125 (continued)

|      |  |                |        |  |                |
|------|--|----------------|--------|--|----------------|
| 3568 | 8.2k, 5%, . . . . .                      | 3198 021 58220 | 4901   | Jumper, 0.05 ohm . . . . .                       | 3198 021 90020 |
| 3569 | 5.6k, 5% . . . . .                       | 3198 021 55620 | 4903   | Jumper, 0.05 ohm . . . . .                       | 3198 021 90020 |
| 3580 | 47k, 5% . . . . .                        | 3198 021 54730 | 4911   | Jumper, 0.05 ohm . . . . .                       | 3198 021 90020 |
| 3601 | 8.2k, 5%, 1/6W, Carbon Film . . . . .    | 3198 011 08220 | 4982   | Jumper, 0.05 ohm . . . . .                       | 3198 021 90020 |
| 3603 | 100 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01010 | 5001   | Fixed Inductor 5.6uH., 10% . . . . .             | 3198 018 25680 |
| 3604 | 100 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01010 | 5002   | Fixed Inductor, 0.82uH., 10% . . . . .           | 3198 018 18270 |
| 3605 | 4.7k, 5%, . . . . .                      | 3198 021 54720 | 5201   | Fixed Inductor, 6.8uH., 5% . . . . .             | 3198 018 16880 |
| 3606 | 2.2k, 5%, 1/6 W, Carbon. . . . .         | 3198 011 02220 | 5202   | Fixed Inductor, 10uH., 10% . . . . .             | 3198 018 21090 |
| 3607 | 2.2k, 5%, 1/6 W, Carbon. . . . .         | 3198 011 02220 | 5241   | Fixed Inductor, 10uH., 10% . . . . .             | 3198 018 21090 |
| 3608 | 100 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01010 | 5242   | Fixed Inductor, 10uH., 5% . . . . .              | 3198 018 11090 |
| 3609 | 1k, 5%, 1/6 W, Carbon. . . . .           | 3198 011 01020 | 5341   | Fixed Inductor, 1.8uH, 20%, LAL04 A. . . . .     | 2422 535 97318 |
| 3610 | 8.2k, 5%, 1/6W, Carbon Film. . . . .     | 3198 011 08220 | 5342   | Fixed Inductor Bead, 100MHz, 50 ohm. . . . .     | 3198 018 90010 |
| 3611 | 100 ohm, 5%. . . . .                     | 3198 021 51010 | 5408   | Fixed Inductor, 27uH., 5%, SPT0508 . . . . .     | 2422 535 95366 |
| 3618 | 6.8k, 5%, 1/6 W, Carbon. . . . .         | 3198 011 06820 | 5410   | Fixed Inductor, 27uH., 5%, SPT0508 . . . . .     | 2422 535 95366 |
| 3622 | 100 ohm, 5%. . . . .                     | 3198 021 51010 | 5444   | Transformer, Signal Driver, SCI0009-03 . . . . . | 2422 531 02446 |
| 3623 | 4.7k, 5%, . . . . .                      | 3198 021 54720 | 5445   | Transformer, LOT, MSL0T4 . . . . .               | 3128 138 21541 |
| 3624 | 100 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01010 | S 5502 | AC Filter, 5MHz., 1 Amp. . . . .                 | 2422 549 44284 |
| 3625 | 100 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01010 | 5521   | Fixed Inductor Bead, 100MHz, 50 ohm. . . . .     | 3198 018 90010 |
| 3626 | 4.7k, 5%, . . . . .                      | 3198 021 54720 | 5560   | Fixed Inductor Bead, 100MHz, 50 ohm. . . . .     | 3198 018 90010 |
| 3627 | 4.7k, 5%, . . . . .                      | 3198 021 54720 | 5561   | Fixed Inductor 27uH., 10%. . . . .               | 3198 018 22790 |
| 3628 | 10k, 5%, . . . . .                       | 3198 021 51030 | 5562   | Fixed Inductor Bead, 100MHz, 50 ohm. . . . .     | 3198 018 90010 |
| 3630 | 2.2k, 5%, . . . . .                      | 3198 021 52220 | 5563   | Fixed Inductor Bead, 100MHz, 50 ohm. . . . .     | 3198 018 90010 |
| 3632 | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 5602   | Fixed Inductor, 5.6uH., 5% . . . . .             | 3198 018 15680 |
| 3635 | 100 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01010 | 5603   | Fixed Inductor, 5.6uH., 5% . . . . .             | 3198 018 15680 |
| 3636 | 100 ohm, 5%. . . . .                     | 3198 021 51010 | 5604   | Fixed Inductor, 5.6uH., 5% . . . . .             | 3198 018 15680 |
| 3681 | 390 ohm, 5%, . . . . .                   | 3198 021 53910 | 5831   | Fixed Inductor, 6.8uH., 5% . . . . .             | 3198 018 16880 |
| 3682 | 3.3k, 5%, . . . . .                      | 3198 021 53320 | 5832   | Fixed Inductor, 6.8uH., 5% . . . . .             | 3198 018 16880 |
| 3683 | 390 ohm, 5%, . . . . .                   | 3198 021 53910 | 5833   | Fixed Inductor, 6.8uH., 5% . . . . .             | 3198 018 16880 |
| 3684 | 560 ohm, 5%, . . . . .                   | 3198 021 55610 | 5835   | Fixed Inductor, 12uH, 10%. . . . .               | 3198 018 31290 |
| 3685 | 560 ohm, 5%, . . . . .                   | 3198 021 55610 | 6001   | Diode, Regulator, BZX79-C33, 33 Volt . . . . .   | 3198 010 23390 |
| 3686 | 1.5k, 5% . . . . .                       | 3198 021 51520 | 6201   | Diode, Signal, BAS316. . . . .                   | 3198 010 10630 |
| 3691 | 330 ohm 5%, . . . . .                    | 3198 021 53310 | 6202   | Diode, Signal, BAS316. . . . .                   | 3198 010 10630 |
| 3693 | 220 ohm 5%, . . . . .                    | 3198 021 52210 | 6206   | Diode, Regulator, BZX384-C, 6.8 Volt . . . . .   | 3198 020 56880 |
| 3694 | 4.7k, 5%, . . . . .                      | 3198 021 54720 | 6241   | Diode, Regulator, BZX384-C, 6.8 Volt . . . . .   | 3198 020 56880 |
| 3801 | 220 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 02210 | 6311   | Diode, Signal, BAV21 . . . . .                   | 3198 010 10070 |
| 3802 | 1k, 5%, 1/6 W, Carbon. . . . .           | 3198 011 01020 | 6321   | Diode, Signal, BAV21 . . . . .                   | 3198 010 10070 |
| 3803 | 100k, 5%, . . . . .                      | 3198 021 51040 | 6331   | Diode, Signal, BAV21 . . . . .                   | 3198 010 10070 |
| 3804 | 82k, 5%, . . . . .                       | 3198 021 58230 | 6341   | Diode, Signal, BAV21 . . . . .                   | 3198 010 10070 |
| 3805 | 1k, 5%, . . . . .                        | 3198 021 51020 | 6342   | Diode, Signal, 1SS135. . . . .                   | 9322 038 00673 |
| 3806 | 100k, 5%, . . . . .                      | 3198 021 51040 | 6343   | Diode, Regulator, BZX384-C, 8.2 Volt . . . . .   | 3198 020 58280 |
| 3807 | 82k, 5%, . . . . .                       | 3198 021 58230 | 6401   | Diode, Signal, BAV21 . . . . .                   | 3198 010 10070 |
| 3808 | 1k, 5%, 1/6 W, Carbon. . . . .           | 3198 011 01020 | 6402   | Diode, Rectifier, BYV27-200. . . . .             | 9322 126 72673 |
| 3831 | 47k, 5%. . . . .                         | 3198 021 54730 | 6404   | Diode, Rectifier, BYD33M . . . . .               | 9337 410 30133 |
| 3832 | 100 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01010 | 6405   | Diode, Rectifier, BYD 33D. . . . .               | 9337 234 00133 |
| 3833 | 100 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01010 | 6406   | Diode, Signal, BAV70 . . . . .                   | 9331 849 10215 |
| 3836 | 1k, 5%, 1/6 W, Carbon. . . . .           | 3198 011 01020 | 6407   | Diode, Signal, BAS316. . . . .                   | 3198 010 10630 |
| 3837 | 100 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01010 | 6408   | Diode, Signal, BAS316. . . . .                   | 3198 010 10630 |
| 3838 | 1k, 5%, . . . . .                        | 3198 021 51020 | 6409   | Diode, Rectifier, BYD 33D. . . . .               | 9337 234 00133 |
| 3839 | 100 ohm, 5%, 1/6 W, Carbon . . . . .     | 3198 011 01010 | 6410   | Diode, Rectifier, BYD 33D. . . . .               | 9337 234 00133 |
| 3843 | 2.2k, 5%, . . . . .                      | 3198 021 52220 | 6413   | Diode, Signal, 1N4148. . . . .                   | 3198 010 10010 |
| 3901 | 1k, 5%, . . . . .                        | 3198 021 51020 | 6414   | Diode, Regulator, BZX79-B6V2, 6.2 Volt . . . . . | 9331 668 30133 |
| 3902 | 3.3k, 5%, . . . . .                      | 3198 021 53320 | 6415   | Diode, Signal, BAS316. . . . .                   | 3198 010 10630 |
| 3903 | 3.3k, 5%, . . . . .                      | 3198 021 53320 | 6419   | Diode, Regulator, BZX79-C5V6, 5.6 Volt . . . . . | 9331 177 30133 |
| 3904 | 10k, 5%, . . . . .                       | 3198 021 51030 | 6420   | Diode, Regulator, BZX79-C9V1, 9.1 Volt . . . . . | 9331 177 80133 |
| 3905 | 3.3k, 5%, . . . . .                      | 3198 021 53320 | 6423   | Diode, Rectifier, BYD 33D. . . . .               | 9337 234 00133 |
| 3906 | 10k, 5%, . . . . .                       | 3198 021 51030 | 6471   | Diode, Rectifier, BYD 33D. . . . .               | 9337 234 00133 |
| 3907 | 8.2k, 5%, . . . . .                      | 3198 021 58220 | 6500   | Diode, Rectifier, 1N5062 . . . . .               | 3198 010 10120 |
| 3981 | 120 ohm, 5%, 1/6W, Carbon Film . . . . . | 3198 011 01210 | 6501   | Diode, Rectifier, 1N5062 . . . . .               | 3198 010 10120 |
| 3982 | 120 ohm, 5%, 1/6W, Carbon Film . . . . . | 3198 011 01210 | 6502   | Diode, Rectifier, 1N5062 . . . . .               | 3198 010 10120 |
| 4001 | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 6503   | Diode, Rectifier, 1N5062 . . . . .               | 3198 010 10120 |
| 4002 | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 6520   | Diode, Rectifier, BYD 33D. . . . .               | 9337 234 00133 |
| 4101 | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 6523   | Diode, Signal, 1N4148. . . . .                   | 3198 010 10010 |
| 4102 | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 6540   | Diode, Regulator, BZX79-B6V2, 6.2 Volt . . . . . | 9331 668 30133 |
| 4104 | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 6541   | Diode, Regulator, BZX79-C10, 10 Volt . . . . .   | 3198 010 21090 |
| 4121 | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 6560   | Diode, Rectifier, BYW76-RAS15/10. . . . .        | 9322 127 32682 |
| 4181 | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 6561   | Diode, Rectifier, BYW76-RAS15/10. . . . .        | 9322 127 32682 |
| 4209 | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 6562   | Diode, Rectifier, EGP20DL-5100 . . . . .         | 9322 164 42682 |
| 4216 | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 6563   | Diode, Signal, BAS316. . . . .                   | 3198 010 10630 |
| 4217 | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 6565   | Diode, Signal, BAV70 . . . . .                   | 9331 849 10215 |
| 4410 | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 6566   | Diode, Signal, BAS316. . . . .                   | 3198 010 10630 |
| 4501 | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 6569   | Diode, Signal, BAS316. . . . .                   | 3198 010 10630 |
| 4613 | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 6570   | Diode, Regulator, BZX384-C, 6.8 Volt . . . . .   | 3198 020 56880 |
| 4614 | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 6580   | Diode, Signal, BAS316. . . . .                   | 3198 010 10630 |
| 4615 | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 6581   | Diode, Signal, BAS316. . . . .                   | 3198 010 10630 |
| 4616 | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 6681   | Diode, Signal, BAT85 . . . . .                   | 9336 247 60133 |
| 4617 | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 6691   | LED, VS LTL-10224WHCR . . . . .                  | 9322 050 99682 |
| 4618 | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 6692   | IR Receiver, TSOP1836UH3VL . . . . .             | 9322 127 54667 |
| 4619 | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 6831   | Diode, Signal, 1N4148. . . . .                   | 3198 010 10010 |
| 4622 | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 6901   | Jumper, 0.05 ohm . . . . .                       | 3198 021 90020 |
| 4623 | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 7101   | Transistor, Signal, BC847B . . . . .             | 3198 010 42030 |
| 4691 | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 7200   | IC, TDA9587H/N1/3/0481 . . . . .                 | 9352 699 87557 |
| 4692 | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 7201   | Transistor, Signal, BC847B . . . . .             | 3198 010 42030 |
| 4693 | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 7204   | Transistor, Signal, BC857B . . . . .             | 3198 010 42150 |
| 4802 | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 7205   | Transistor, Signal, BC857B . . . . .             | 3198 010 42150 |
| 4804 | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 7241   | Transistor, Signal, PDTA114ET. . . . .           | 3198 010 44010 |
| 4811 | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 7311   | Transistor, Signal, BF422. . . . .               | 3198 020 43010 |
| 4812 | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 7312   | Transistor, Signal, BF422. . . . .               | 3198 020 43010 |
| 4813 | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 7313   | Transistor, Signal, BF423 . . . . .              | 3198 020 43020 |
| 4814 | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 7321   | Transistor, Signal, BF422. . . . .               | 3198 020 43010 |
| 4831 | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 7322   | Transistor, Signal, BF422. . . . .               | 3198 020 43010 |
| 4833 | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 7323   | Transistor, Signal, BF423 . . . . .              | 3198 020 43020 |
| 4835 | Jumper, 0.05 ohm . . . . .               | 3198 021 90020 | 7331   | Transistor, Signal, BF422. . . . .               | 3198 020 43010 |

S = Safety Part Be sure to use exact replacement part.

# 19PS50S125 (continued)

|        |  |                |      |                  |                |
|--------|--|----------------|------|------------------|----------------|
| 7332   | Transistor, Signal, BF422. . . . .                       | 3198 020 43010 | 9618 | Jumper . . . . . | 3198 036 90010 |
| 7333   | Transistor, Signal BF423 . . . . .                       | 3198 020 43020 | 9619 | Jumper . . . . . | 3198 036 90010 |
| 7401   | Transistor, Signal, PPTC143ZT. . . . .                   | 9340 547 00215 | 9620 | Jumper . . . . . | 3198 036 90010 |
| 7402   | Power Transistor, BUT11APX-1200. . . . .                 | 9340 563 21127 | 9621 | Jumper . . . . . | 3198 036 90010 |
| 7403   | Transistor, Signal, BC337-25. . . . .                    | 3198 020 43530 | 9622 | Jumper . . . . . | 3198 036 90010 |
| 7404   | Transistor, Signal, BC636. . . . .                       | 9332 219 50126 | 9623 | Jumper . . . . . | 3198 036 90010 |
| 7405   | Transistor, Signal, BC857B . . . . .                     | 3198 010 42150 | 9624 | Jumper . . . . . | 3198 036 90010 |
| 7406   | Transistor, Signal, BC857B . . . . .                     | 3198 010 42150 | 9625 | Jumper . . . . . | 3198 036 90010 |
| S 7407 | Transistor, Power, BD135-16. . . . .                     | 3198 020 41190 | 9626 | Jumper . . . . . | 3198 036 90010 |
| S 7408 | Transistor, Power, BD135-16. . . . .                     | 3198 020 41190 | 9627 | Jumper . . . . . | 3198 036 90010 |
| 7409   | Transistor, Signal, BC857B . . . . .                     | 3198 010 42150 | 9628 | Jumper . . . . . | 3198 036 90010 |
| 7471   | IC, TDA9302H . . . . .                                   | 9322 088 25682 | 9629 | Jumper . . . . . | 3198 036 90010 |
| S 7515 | Opto Coupler TCET1103. . . . .                           | 9322 140 14667 | 9630 | Jumper . . . . . | 3198 036 90010 |
| 7520   | IC, TEA1507P/N1. . . . .                                 | 9352 673 56112 | 9631 | Jumper . . . . . | 3198 036 90010 |
| 7521   | Field Effect Transistor, Power, STP5NC<br>50FP . . . . . | 9322 160 71687 | 9632 | Jumper . . . . . | 3198 036 90010 |
| 7522   | Transistor, Signal, BC847B . . . . .                     | 3198 010 42030 | 9633 | Jumper . . . . . | 3198 036 90010 |
| 7540   | Transistor, Signal, BC547B . . . . .                     | 3198 020 40030 | 9634 | Jumper . . . . . | 3198 036 90010 |
| 7541   | Transistor, Signal, PPTC114ET. . . . .                   | 9340 310 10215 | 9635 | Jumper . . . . . | 3198 036 90010 |
| 7542   | Transistor, Signal, BC857B . . . . .                     | 3198 010 42150 | 9636 | Jumper . . . . . | 3198 036 90010 |
| 7560   | IC, LE33CZ . . . . .                                     | 9322 106 11676 | 9637 | Jumper . . . . . | 3198 036 90010 |
| 7561   | Transistor, Signal, PPTC143ZT. . . . .                   | 9340 547 00215 | 9638 | Jumper . . . . . | 3198 036 90010 |
| 7562   | Transistor, Signal, BC857B . . . . .                     | 3198 010 42150 | 9639 | Jumper . . . . . | 3198 036 90010 |
| 7564   | Transistor, Signal, BC857B . . . . .                     | 3198 010 42150 | 9640 | Jumper . . . . . | 3198 036 90010 |
| 7580   | Transistor, Signal, BC857B . . . . .                     | 3198 010 42150 | 9641 | Jumper . . . . . | 3198 036 90010 |
| 7602   | IC, M24C16-WBN6. . . . .                                 | 9322 147 25682 | 9642 | Jumper . . . . . | 3198 036 90010 |
| 7801   | IC, HEF4052BT. . . . .                                   | 9333 729 50653 | 9643 | Jumper . . . . . | 3198 036 90010 |
| 7802   | IC, HEF4053BT . . . . .                                  | 9333 729 60653 | 9644 | Jumper . . . . . | 3198 036 90010 |
| 7803   | Transistor, Signal, BC847B . . . . .                     | 3198 010 42030 | 9645 | Jumper . . . . . | 3198 036 90010 |
| 7804   | Transistor, Signal, BC847B . . . . .                     | 3198 010 42030 | 9648 | Jumper . . . . . | 3198 036 90010 |
| 7831   | IC, MSP3445G-PO-B8 . . . . .                             | 9322 160 81682 | 9650 | Jumper . . . . . | 3198 036 90010 |
| 7901   | IC, AN7522N. . . . .                                     | 9322 158 65667 | 9653 | Jumper . . . . . | 3198 036 90010 |
| 9001   | Jumper . . . . .   | 3198 036 90010 | 9654 | Jumper . . . . . | 3198 036 90010 |
| 9121   | Jumper . . . . .   | 3198 036 90010 | 9655 | Jumper . . . . . | 3198 036 90010 |
| 9122   | Jumper . . . . .   | 3198 036 90010 | 9656 | Jumper . . . . . | 3198 036 90010 |
| 9171   | Jumper . . . . .   | 3198 036 90010 | 9657 | Jumper . . . . . | 3198 036 90010 |
| 9172   | Jumper . . . . .   | 3198 036 90010 | 9658 | Jumper . . . . . | 3198 036 90010 |
| 9173   | Jumper . . . . .   | 3198 036 90010 | 9659 | Jumper . . . . . | 3198 036 90010 |
| 9174   | Jumper . . . . .   | 3198 036 90010 | 9660 | Jumper . . . . . | 3198 036 90010 |
| 9175   | Jumper . . . . .   | 3198 036 90010 | 9661 | Jumper . . . . . | 3198 036 90010 |
| 9177   | Jumper . . . . .   | 3198 036 90010 | 9662 | Jumper . . . . . | 3198 036 90010 |
| 9181   | Jumper . . . . .   | 3198 036 90010 | 9663 | Jumper . . . . . | 3198 036 90010 |
| 9182   | Jumper . . . . .   | 3198 036 90010 | 9664 | Jumper . . . . . | 3198 036 90010 |
| 9183   | Jumper . . . . .   | 3198 036 90010 | 9665 | Jumper . . . . . | 3198 036 90010 |
| 9191   | Jumper . . . . .   | 3198 036 90010 | 9666 | Jumper . . . . . | 3198 036 90010 |
| 9192   | Jumper . . . . .   | 3198 036 90010 | 9668 | Jumper . . . . . | 3198 036 90010 |
| 9193   | Jumper . . . . .   | 3198 036 90010 | 9669 | Jumper . . . . . | 3198 036 90010 |
| 9301   | Jumper . . . . .   | 3198 036 90010 | 9670 | Jumper . . . . . | 3198 036 90010 |
| 9302   | Jumper . . . . .   | 3198 036 90010 | 9672 | Jumper . . . . . | 3198 036 90010 |
| 9303   | Jumper . . . . .   | 3198 036 90010 | 9673 | Jumper . . . . . | 3198 036 90010 |
| 9304   | Jumper . . . . .   | 3198 036 90010 | 9674 | Jumper . . . . . | 3198 036 90010 |
| 9402   | Jumper . . . . .   | 3198 036 90010 | 9675 | Jumper . . . . . | 3198 036 90010 |
| 9403   | Jumper . . . . .   | 3198 036 90010 | 9676 | Jumper . . . . . | 3198 036 90010 |
| 9404   | Jumper . . . . .   | 3198 036 90010 | 9678 | Jumper . . . . . | 3198 036 90010 |
| 9420   | Jumper . . . . .   | 3198 036 90010 | 9679 | Jumper . . . . . | 3198 036 90010 |
| 9421   | Jumper . . . . .   | 3198 036 90010 | 9680 | Jumper . . . . . | 3198 036 90010 |
| 9425   | Jumper . . . . .   | 3198 036 90010 | 9682 | Jumper . . . . . | 3198 036 90010 |
| 9426   | Jumper . . . . .   | 3198 036 90010 | 9683 | Jumper . . . . . | 3198 036 90010 |
| 9427   | Jumper . . . . .   | 3198 036 90010 | 9684 | Jumper . . . . . | 3198 036 90010 |
| 9428   | Jumper . . . . .   | 3198 036 90010 | 9685 | Jumper . . . . . | 3198 036 90010 |
| 9430   | Jumper . . . . .   | 3198 036 90010 | 9686 | Jumper . . . . . | 3198 036 90010 |
| 9431   | Jumper . . . . .   | 3198 036 90010 | 9687 | Jumper . . . . . | 3198 036 90010 |
| 9432   | Jumper . . . . .   | 3198 036 90010 | 9688 | Jumper . . . . . | 3198 036 90010 |
| 9433   | Jumper . . . . .   | 3198 036 90010 | 9689 | Jumper . . . . . | 3198 036 90010 |
| 9434   | Jumper . . . . .   | 3198 036 90010 | 9690 | Jumper . . . . . | 3198 036 90010 |
| 9471   | Jumper . . . . .   | 3198 036 90010 | 9691 | Jumper . . . . . | 3198 036 90010 |
| 9500   | Jumper . . . . .   | 3198 036 90010 | 9694 | Jumper . . . . . | 3198 036 90010 |
| 9501   | Jumper . . . . .   | 3198 036 90010 | 9695 | Jumper . . . . . | 3198 036 90010 |
| 9504   | Jumper . . . . .   | 3198 036 90010 | 9697 | Jumper . . . . . | 3198 036 90010 |
| 9506   | Jumper . . . . .   | 3198 036 90010 | 9698 | Jumper . . . . . | 3198 036 90010 |
| 9507   | Jumper . . . . .   | 3198 036 90010 | 9699 | Jumper . . . . . | 3198 036 90010 |
| 9508   | Jumper . . . . .   | 3198 036 90010 | 9811 | Jumper . . . . . | 3198 036 90010 |
| 9509   | Jumper . . . . .   | 3198 036 90010 | 9812 | Jumper . . . . . | 3198 036 90010 |
| 9510   | Jumper . . . . .   | 3198 036 90010 | 9813 | Jumper . . . . . | 3198 036 90010 |
| 9511   | Jumper . . . . .   | 3198 036 90010 | 9814 | Jumper . . . . . | 3198 036 90010 |
| 9512   | Jumper . . . . .   | 3198 036 90010 | 9815 | Jumper . . . . . | 3198 036 90010 |
| 9513   | Jumper . . . . .   | 3198 036 90010 | 9816 | Jumper . . . . . | 3198 036 90010 |
| 9514   | Jumper . . . . .   | 3198 036 90010 | 9817 | Jumper . . . . . | 3198 036 90010 |
| 9517   | Jumper . . . . .   | 3198 036 90010 | 9818 | Jumper . . . . . | 3198 036 90010 |
| 9520   | Jumper . . . . .   | 3198 036 90010 | 9820 | Jumper . . . . . | 3198 036 90010 |
| 9521   | Jumper . . . . .   | 3198 036 90010 | 9821 | Jumper . . . . . | 3198 036 90010 |
| 9522   | Jumper . . . . .   | 3198 036 90010 | 9822 | Jumper . . . . . | 3198 036 90010 |
| 9523   | Jumper . . . . .   | 3198 036 90010 | 9824 | Jumper . . . . . | 3198 036 90010 |
| 9524   | Jumper . . . . .   | 3198 036 90010 | 9825 | Jumper . . . . . | 3198 036 90010 |
| 9610   | Jumper . . . . .   | 3198 036 90010 | 9826 | Jumper . . . . . | 3198 036 90010 |
| 9611   | Jumper . . . . .   | 3198 036 90010 | 9827 | Jumper . . . . . | 3198 036 90010 |
| 9612   | Jumper . . . . .   | 3198 036 90010 | 9828 | Jumper . . . . . | 3198 036 90010 |
| 9613   | Jumper . . . . .   | 3198 036 90010 | 9829 | Jumper . . . . . | 3198 036 90010 |
| 9614   | Jumper . . . . .   | 3198 036 90010 | 9830 | Jumper . . . . . | 3198 036 90010 |
| 9615   | Jumper . . . . .   | 3198 036 90010 | 9832 | Jumper . . . . . | 3198 036 90010 |
| 9616   | Jumper . . . . .   | 3198 036 90010 | 9911 | Jumper . . . . . | 3198 036 90010 |
| 9617   | Jumper . . . . .   | 3198 036 90010 | 9912 | Jumper . . . . . | 3198 036 90010 |
|        |  |                | 9913 | Jumper . . . . . | 3198 036 90010 |

S = Safety Part Be sure to use exact replacement part.

## 19PS50S125 (continued)

|      |                        |      |     |       |
|------|------------------------|------|-----|-------|
| 9914 | Jumper . . . . .       | 3198 | 036 | 90010 |
| 9915 | Jumper . . . . .       | 3198 | 036 | 90010 |
| 9916 | Jumper . . . . .       | 3198 | 036 | 90010 |
| 9917 | Jumper . . . . .       | 3198 | 036 | 90010 |
| 9921 | Jumper . . . . .       | 3198 | 036 | 90010 |
| 9991 | Jumper . . . . .       | 3198 | 036 | 90010 |
| 9993 | Jumper . . . . .       | 3198 | 036 | 90010 |
| 9994 | Jumper . . . . .       | 3198 | 036 | 90010 |
| 9996 | Jumper . . . . .       | 3198 | 036 | 90010 |
| 9997 | Jumper . . . . .       | 3198 | 036 | 90010 |
| 9998 | Jumper . . . . .       | 3198 | 036 | 90010 |
| CBA  | Main Chassis . . . . . | 3139 | 178 | 85501 |

### Model 19PS50S/125 Cabinet Parts

|                                 |  |      |     |       |
|---------------------------------|--|------|-----|-------|
| Model 19PS50S/125 Cabinet Parts |  |      |     |       |
| S AC01                          | AC Power Cord. . . . .   | 3135 | 010 | 04771 |
| AC03                            | Cabinet, Back. . . . .   | 3139 | 124 | 35351 |
| AC04                            | Cabinet, Front . . . . .   | 3139 | 137 | 83621 |
| AC05                            | Chassis Guide, Right Rail. . . . .                               | 3135 | 014 | 00691 |
| AC06                            | Control Buttons. . . . .   | 3139 | 137 | 83601 |
| S AC08                          | CRT, A48KRD89X03 . . . . .                                       | 9322 | 132 | 79682 |
| S AC09                          | Degaussing Coil, 19" . . . . .                                   | 2422 | 549 | 44428 |
| AC10                            | Degaussing Coil Holder (4 Used). . . . .                         | 3135 | 013 | 01641 |
| AC11                            | Light Guide. . . . .   | 3139 | 124 | 36021 |
| AC12                            | Nameplate. . . . .   | 3139 | 120 | 01391 |
| AC13                            | Owner's Manual . . . . .   | 3121 | 235 | 20071 |
| AC14                            | Power Button . . . . .   | 3139 | 137 | 83611 |
| AC16                            | Loudspeaker, 16 ohm, 5 Watt. . . . .                             | 2422 | 264 | 00411 |
| S AC18                          | ITC = Integrated Tube Component, CRT &<br>Yoke Pre-Set . . . . . | 0000 | 000 | 00ITC |
| AC21                            | Battery, Zinc, 1.5V, 2-Pk. . . . .                               | 9299 | 000 | 65263 |
| AC24                            | Spring, Braid Tension. . . . .                                   | 3139 | 121 | 26231 |
| AC32                            | Assembly Braid, 19". . . . .                                     | 3135 | 010 | 07321 |
| REMOTE                          | Remote Transmitter . . . . .                                     | 3139 | 228 | 86491 |



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## Main Chassis

|        |   |      |     |       |        |   |      |     |       |
|--------|---|------|-----|-------|--------|---|------|-----|-------|
|        | Main Chassis                            |      |     |       | 2416   | Cap, 820p, 10%, 2000v, Ceramic          | 2020 | 558 | 90486 |
| 0139   | IC-SPRING 7402                          | 3139 | 121 | 24581 | 2417   | Cap, 1000u, 20%, 16v, Electrolytic      | 2020 | 021 | 91049 |
| 0040   | Cinch Housing                           | 3139 | 124 | 23602 | 2418   | Cap, 10n, 10%, 50v, Ceramic             | 3198 | 017 | 01030 |
| 0121   | Heatsink                                | 3139 | 121 | 26992 | 2419   | Cap, 1u, 20%, 50v, Electrolytic         | 2020 | 021 | 91147 |
| 0122   | Heatsink                                | 3139 | 121 | 26952 | 2420   | Cap, 1u, 20%, 50v, Electrolytic         | 3198 | 025 | 51080 |
| 0124   | Heatsink                                | 3139 | 121 | 26941 | 2421   | Cap, 47n, +80/-20%, 50v, Ceramic        | 3198 | 017 | 24730 |
| 0127   | Socket, Fuse, 2 Pin                     | 2422 | 088 | 00271 | 2422   | Cap, 470u, 20%, 16v, Electrolytic       | 2020 | 021 | 91577 |
| 0137   | Spring                                  | 3139 | 121 | 24581 | 2423   | Cap, 10u, 20%, 100v, Electrolytic       | 2020 | 021 | 90813 |
| 0138   | IC-Spring                               | 3104 | 301 | 22081 | 2471   | Cap, 100n, 10%, 50v, Polyester          | 3198 | 014 | 01040 |
| 0139   | Spring, for Bracket                     | 3122 | 121 | 24786 | 2472   | Cap, 100n, 10%, 50v, Polyester          | 3198 | 014 | 01040 |
| 0211   | Connector, 2 Pin                        | 2422 | 025 | 16269 | 2473   | Cap, 100u, 20%, 50v, Electrolytic       | 2020 | 021 | 90587 |
| 0212   | Connector, 2 Pin                        | 2422 | 025 | 16375 | 2475   | Cap, 470p, 5%, 50v, Ceramic             | 3198 | 016 | 04710 |
| 0217   | Connector, 3 Pin                        | 2412 | 020 | 00725 | 2476   | Cap, 220n, 10%, 50v, Polyester          | 3198 | 014 | 02240 |
| 0218   | Socket, Cinch, 2 Pin                    | 2422 | 026 | 06437 | 2477   | Cap, 470p, 5%, 50v, Ceramic             | 3198 | 016 | 04710 |
| 0220   | Connector, 3 Pin                        | 2422 | 025 | 04851 | 2500   | Cap, 470n, 20%, 275v, Polypropylene     | 2222 | 336 | 29148 |
| 0221   | Connector, 4 Pin                        | 2422 | 025 | 15503 | 2501   | Cap, 2n2, 10%, 1000v, Ceramic           | 3198 | 019 | 52220 |
| 0222   | Connector, 2 Pin                        | 2422 | 025 | 10646 | 2502   | Cap, 2n2, 10%, 1000v, Ceramic           | 3198 | 019 | 52220 |
| 0232   | Socket, Phone                           | 2422 | 026 | 04747 | 2503   | Cap, 220u, 20%, 200v, Electrolytic      | 2020 | 024 | 90585 |
| 0243   | Connector, 6 Pin                        | 2422 | 025 | 04854 | 2506   | Cap, 2n2, 10%, 1000v, Ceramic           | 3198 | 019 | 52220 |
| 0244   | Connector, 3 Pin                        | 2422 | 025 | 04851 | 2508   | Cap, 470p, 10%, 1000v, Ceramic          | 3198 | 019 | 64710 |
| 0245   | Connector, 6 Pin                        | 2422 | 025 | 04854 | S 2515 | Cap, 1n5, 20%, v, Ceramic               | 2020 | 554 | 90128 |
| 0246   | Connector, 3 Pin                        | 2422 | 025 | 16382 | 2520   | Cap, 100n, 10%, 16v, Ceramic            | 3198 | 017 | 01040 |
| S 0254 | Socket, CRT, 9 Pin, M-Neck              | 2422 | 500 | 80077 | 2521   | Cap, 22u, 20%, 50v, Electrolytic        | 3198 | 025 | 52290 |
| 0320   | Factory Plate                           | 3122 | 120 | 01701 | 2522   | Cap, 100n, 10%, 16v, Ceramic            | 3198 | 017 | 01040 |
| 1000   | Tuner, V+U PLL                          | 2422 | 542 | 90108 | 2523   | Cap, 1n5, 10%, 2000v, Ceramic           | 2020 | 558 | 90489 |
| 1002   | Filter, SAW 45MHz75                     | 2422 | 549 | 44327 | 2525   | Cap, 470p, 10%, 50v, Ceramic            | 3198 | 017 | 04710 |
| 1200   | Filter, Ceramic, 4MHz5                  | 2422 | 549 | 40807 | 2526   | Cap, 1n, 10%, 50v, Ceramic              | 3198 | 017 | 01020 |
| S 1500 | Fuse, 4A, 250V IEC                      | 2422 | 086 | 10869 | 2527   | Cap, 470p, 10%, 50v, Ceramic            | 3198 | 017 | 04710 |
| S 1515 | Relay, 1 Pin, 12V, 5A                   | 2422 | 132 | 07444 | 2540   | Cap, 15n, 10%, 50v, Ceramic             | 3198 | 017 | 01530 |
| 1600   | Switch, Tactile                         | 2422 | 128 | 02742 | 2560   | Cap, 1n, 10%, 1000v, Ceramic            | 3198 | 019 | 61020 |
| 1601   | Switch, Tactile                         | 2422 | 128 | 02742 | 2561   | Cap, 47u, 20%, 160v, Electrolytic       | 2020 | 021 | 91358 |
| 1602   | Switch, Tactile                         | 2422 | 128 | 02742 | 2562   | Cap, 1n, 10%, 50v, Ceramic              | 3198 | 019 | 11020 |
| 1603   | Switch, Tactile                         | 2422 | 128 | 02742 | 2563   | Cap, 100n, 10%, 50v, Polyester          | 3198 | 014 | 01040 |
| 1606   | Switch, Tactile                         | 2422 | 128 | 02742 | 2564   | Cap, 2u2, 20%, 16v, Electrolytic        | 2020 | 012 | 93057 |
| 1660   | Crystal, 12MHz000                       | 2422 | 543 | 01203 | 2565   | Cap, 470p, 10%, 1000v, Ceramic          | 3198 | 019 | 64710 |
| 2004   | Cap, 47n, 10%, 25v, Ceramic             | 3198 | 023 | 04730 | 2567   | Cap, 47u, 20%, 25v, Electrolytic        | 3198 | 025 | 34790 |
| 2005   | Cap, 10u, 20%, 50v, Electrolytic        | 3198 | 025 | 51090 | 2568   | Cap, 1u, 20%, 50v, Electrolytic         | 3198 | 025 | 51080 |
| 2006   | Cap, 470u, 20%, 16v, Electrolytic       | 3198 | 025 | 24710 | 2569   | Cap, 470p, 10%, 50v, Ceramic            | 3198 | 017 | 04710 |
| 2007   | Cap, 100n, +80/-20%, 25v, Ceramic       | 3198 | 023 | 21040 | 2580   | Cap, 47u, 20%, 25v, Electrolytic        | 3198 | 025 | 34790 |
| 2008   | Cap, 100u, 20%, 25v, Electrolytic       | 3198 | 025 | 31010 | 2601   | Cap, 220n, +80/-20%, 25v, Ceramic       | 3198 | 023 | 22240 |
| 2009   | Cap, 22n, 10%, 50v, Ceramic             | 3198 | 017 | 02230 | 2602   | Cap, 100p, 5%, 50v, Ceramic             | 3198 | 016 | 01010 |
| 2181   | Cap, 22p, 5%, 50v, Ceramic              | 3198 | 016 | 02290 | 2606   | Cap, 1n, 5%, 50v, Ceramic               | 3198 | 016 | 01020 |
| 2182   | Cap, 330p, 5%, 50v, Ceramic             | 3198 | 016 | 03310 | 2607   | Cap, 33p, 5%, 50v, Ceramic              | 3198 | 016 | 03390 |
| 2184   | Cap, 2u2, +80/-20%, 10v, Ceramic        | 3198 | 017 | 22250 | 2608   | Cap, 1u, +80/-20%, 16v, Ceramic         | 3198 | 017 | 21050 |
| 2202   | Cap, 100n, +80/-20%, 25v, Ceramic       | 3198 | 023 | 21040 | 2609   | Cap, 33p, 5%, 50v, Ceramic              | 3198 | 016 | 03390 |
| 2203   | Cap, 100n, +80/-20%, 25v, Ceramic       | 3198 | 023 | 21040 | 2611   | Cap, 1u, +80/-20%, 16v, Ceramic         | 3198 | 017 | 21050 |
| 2204   | Cap, 100n, +80/-20%, 25v, Ceramic       | 3198 | 023 | 21040 | 2612   | Cap, 68p, 5%, 50v, Ceramic              | 3198 | 016 | 06890 |
| 2205   | Cap, 220n, +80/-20%, 25v, Ceramic       | 3198 | 023 | 22240 | 2613   | Cap, 68p, 5%, 50v, Ceramic              | 3198 | 016 | 06890 |
| 2208   | Cap, 100n, +80/-20%, 25v, Ceramic       | 3198 | 023 | 21040 | 2615   | Cap, 1n, 5%, 50v, Ceramic               | 3198 | 016 | 01020 |
| 2209   | Cap, 4u7, 20%, 50v, Electrolytic        | 3198 | 025 | 54780 | 2618   | Cap, 1u, +80/-20%, 16v, Ceramic         | 3198 | 017 | 21050 |
| 2210   | Cap, 470n, 20%, 50v, Electrolytic       | 3198 | 025 | 54770 | 2619   | Cap, 1u, +80/-20%, 16v, Ceramic         | 3198 | 017 | 21050 |
| 2211   | Cap, 470n, +80/-20%, 16v, Ceramic       | 3198 | 017 | 24740 | 2691   | Cap, 100u, 20%, 25v, Electrolytic       | 3198 | 025 | 31010 |
| 2216   | Cap, 470u, 20%, 16v, Electrolytic       | 3198 | 025 | 24710 | 2902   | Cap, 220u, 20%, 50v, Electrolytic       | 3198 | 026 | 52210 |
| 2217   | Cap, 22n, 10%, 50v, Ceramic             | 3198 | 017 | 02230 | 2903   | Cap, 1u, 20%, 50v, Electrolytic         | 3198 | 025 | 51080 |
| 2219   | Cap, 220n, +80/-20%, 25v, Ceramic       | 3198 | 023 | 22240 | 2904   | Cap, 1u, +80/-20%, 16v, Ceramic         | 3198 | 017 | 21050 |
| 2226   | Cap, 4n7, 10%, 50v, Ceramic             | 3198 | 017 | 04720 | 2905   | Cap, 1n, 5%, 50v, Ceramic               | 3198 | 016 | 01020 |
| 2227   | Cap, 4n7, 10%, 50v, Ceramic             | 3198 | 017 | 04720 | 2908   | Cap, 10u, 20%, 50v, Electrolytic        | 3198 | 025 | 51090 |
| 2228   | Cap, 820p, 5%, 50v, Ceramic             | 3198 | 016 | 08210 | 2941   | Cap, 1u, 20%, 50v, Electrolytic         | 3198 | 025 | 51080 |
| 2229   | Cap, 10u, 20%, 50v, Electrolytic        | 3198 | 025 | 51090 | 2942   | Cap, 33n, 10%, 50v, Ceramic             | 3198 | 017 | 03330 |
| 2233   | Cap, 820p, 5%, 50v, Ceramic             | 3198 | 016 | 08210 | 2943   | Cap, 100n, 10%, 16v, Ceramic            | 3198 | 017 | 01040 |
| 2241   | Cap, 1n5, 10%, 50v, Ceramic             | 3198 | 017 | 01520 | 2944   | Cap, 47n, +80/-20%, 50v, Ceramic        | 3198 | 017 | 24730 |
| 2242   | Cap, 1u, +80/-20%, 16v, Ceramic         | 3198 | 017 | 21050 | 2945   | Cap, 10n, 10%, 50v, Ceramic             | 3198 | 017 | 01030 |
| 2243   | Cap, 2n2, 10%, 50v, Ceramic             | 3198 | 017 | 02220 | 2946   | Cap, 1u, +80/-20%, 16v, Ceramic         | 3198 | 017 | 21050 |
| 2244   | Cap, 100n, 10%, 63v, Metalized Polyeste | 2222 | 370 | 75104 | 2950   | Cap, 330p, 5%, 50v, Ceramic             | 3198 | 016 | 03310 |
| 2245   | Cap, 220n, +80/-20%, 25v, Ceramic       | 3198 | 023 | 22240 | 2981   | Cap, 10u, 20%, 50v, Electrolytic        | 3198 | 025 | 51090 |
| 2246   | Cap, 4u7, 20%, 50v, Electrolytic        | 3198 | 025 | 54780 | 2982   | Cap, 470p, 5%, 50v, Ceramic             | 3198 | 016 | 04710 |
| 2247   | Cap, 470u, 20%, 16v, Electrolytic       | 3198 | 025 | 24710 | 2983   | Cap, 10u, 20%, 50v, Electrolytic        | 3198 | 025 | 51090 |
| 2248   | Cap, 22n, 10%, 50v, Ceramic             | 3198 | 017 | 02230 | 2984   | Cap, 470p, 5%, 50v, Ceramic             | 3198 | 016 | 04710 |
| 2249   | Cap, 22n, 10%, 50v, Ceramic             | 3198 | 017 | 02230 | 3000   | Res, 100 ohm, 5%, 1/6W, Carbon Film     | 3198 | 011 | 01010 |
| 2250   | Cap, 2u2, 20%, 50v, Electrolytic        | 3198 | 025 | 52280 | 3001   | Res, 100 ohm, 5%, 1/6W, Carbon Film     | 3198 | 011 | 01010 |
| 2252   | Cap, 1n, 5%, 50v, Ceramic               | 3198 | 016 | 01020 | 3002   | Res, Zero ohm, "Chip" Jumper            | 3198 | 021 | 90020 |
| 2253   | Cap, 1n, 5%, 50v, Ceramic               | 3198 | 016 | 01020 | 3003   | Res, 1K5, 5%, 1/10W, Metalized Glass    | 3198 | 021 | 51520 |
| 2254   | Cap, 100p, 5%, 50v, Ceramic             | 3198 | 016 | 01010 | 3004   | Res, 8K2, 5%, 1/10W, Metalized Glass    | 3198 | 021 | 58220 |
| 2313   | Cap, 220p, 5%, 50v, Ceramic             | 3198 | 016 | 02210 | 3005   | Res, 100 ohm, 5%, 1/6W, Carbon Film     | 3198 | 011 | 01010 |
| 2323   | Cap, 390p, 5%, 50v, Ceramic             | 3198 | 016 | 03910 | 3181   | Res, 75 ohm, 5%, 1/6W, Carbon Film      | 3198 | 011 | 07590 |
| 2331   | Cap, 390p, 5%, 50v, Ceramic             | 3198 | 016 | 03910 | 3182   | Res, 100 ohm, 5%, 1/6W, Carbon Film     | 3198 | 011 | 01010 |
| 2341   | Cap, 2n2, 10%, 1000v, Ceramic           | 2020 | 558 | 90571 | 3183   | Res, 150 ohm, 5%, 1/6W, Carbon Film     | 3198 | 011 | 01510 |
| 2342   | Cap, 47n, 10%, 250v, Metalized Polyeste | 2222 | 365 | 45473 | 3184   | Res, 47K, 5%, 1/10W, Metalized Glass    | 3198 | 021 | 54730 |
| 2343   | Cap, 47n, 10%, 250v, Metalized Polyeste | 2222 | 365 | 45473 | 3200   | Res, 390 ohm, 5%, 1/6W, Carbon Film     | 3198 | 011 | 03910 |
| 2401   | Cap, 680p, 10%, 50v, Ceramic            | 3198 | 019 | 16810 | 3201   | Res, 100 ohm, 5%, 1/6W, Carbon Film     | 3198 | 011 | 01010 |
| 2402   | Cap, 820n, 5%, 250v, Metalized Polyprop | 2222 | 479 | 90029 | 3202   | Res, 100 ohm, 5%, 1/6W, Carbon Film     | 3198 | 011 | 01010 |
| 2405   | Cap, 1n, 5%, 50v, Ceramic               | 3198 | 016 | 01020 | 3203   | Res, 100 ohm, 5%, 1/6W, Carbon Film     | 3198 | 011 | 01010 |
| 2406   | Cap, 330p, 5%, 50v, Ceramic             | 3198 | 016 | 03310 | 3204   | Res, 10K, 5%, 1/6W, Carbon Film         | 3198 | 011 | 01030 |
| 2407   | Cap, 10n, 5%, 1600v, Polypropylene      | 2222 | 375 | 90154 | 3206   | Res, 100K, 5%, 1/10W, Metalized Glass   | 3198 | 021 | 51040 |
| 2408   | Cap, 22n, +80/-20%, 50v, Ceramic        | 3198 | 019 | 22230 | 3207   | Res, 1K, 5%, 1/6W, Carbon Film          | 3198 | 011 | 01020 |
| 2409   | Cap, 47u, 20%, 160v, Electrolytic       | 2020 | 021 | 91139 | 3208   | Res, 220 ohm, 5%, 1/10W, Metalized Glas | 3198 | 021 | 52210 |
| 2410   | Cap, 470u, 20%, 16v, Electrolytic       | 2020 | 021 | 91577 | 3209   | Res, 68 ohm, 5%, 1/10W, Metalized Glass | 3198 | 021 | 56890 |
| 2411   | Cap, 47u, 20%, 25v, Electrolytic        | 2020 | 021 | 90586 | 3212   | Res, 470 ohm, 5%, 1/10W, Metalized Glas | 3198 | 021 | 54710 |
| 2412   | Cap, 33n, 10%, 100v, Polyester          | 2222 | 347 | 90236 | 3213   | Res, 560 ohm, 5%, 1/6W, Carbon Film     | 3198 | 011 | 05610 |
| 2413   | Cap, 10u, 20%, 250v, Electrolytic       | 2020 | 012 | 93495 | 3217   | Res, 330K, 5%, 1/10W, Metalized Glass   | 3198 | 021 | 53340 |
| 2414   | Cap, 1000u, 20%, 16v, Electrolytic      | 2020 | 021 | 91049 | 3218   | Res, 82K, 5%, 1/10W, Metalized Glass    | 3198 | 021 | 58230 |

S = Safety Part      Be sure to use exact replacement part.

# 20LL200122 (continued)

|        |  |      |     |       |      |   |      |     |       |
|--------|--|------|-----|-------|------|---|------|-----|-------|
| 3219   | Res, 2K2, 5%, 1/10W, Metalized Glass .   | 3198 | 021 | 52220 | 3526 | Res, 0R15, 5%, 3/5W, Metal Film. . . .  | 3198 | 012 | 11570 |
| 3226   | Res, 560 ohm, 5%, 1/10W, Metalized Glas  | 3198 | 021 | 55610 | 3527 | Res, 2K2, 5%, 1/3W, Metal Film . . . .  | 2306 | 204 | 03222 |
| 3232   | Res, 2K2, 5%, 1/10W, Metalized Glass .   | 3198 | 021 | 52220 | 3528 | Res, 10K, 5%, 1/10W, Metalized Glass .  | 3198 | 021 | 51030 |
| 3235   | Res, 100 ohm, 5%, 1/6W, Carbon Film. .   | 3198 | 011 | 01010 | 3529 | Res, 47K, 5%, 1/10W, Metalized Glass .  | 3198 | 021 | 54730 |
| 3241   | Res, 22K, 5%, 1/10W, Metalized Glass .   | 3198 | 021 | 52230 | 3530 | Res, 4K7, 5%, 1/10W, Metalized Glass .  | 3198 | 021 | 54720 |
| 3242   | Res, 12K, 5%, 1/10W, Metalized Glass .   | 3198 | 021 | 51230 | 3531 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 | 021 | 90020 |
| 3244   | Res, 820 ohm, 5%, 1/6W, Carbon Film. .   | 3198 | 011 | 08210 | 3541 | Res, 470 ohm, 5%, 1/10W, Metalized Glas | 3198 | 021 | 54710 |
| 3245   | Res, 39K, 5%, 1/10W, Metalized Glass .   | 3198 | 021 | 53930 | 3542 | Res, 1K5, 5%, 1/10W, Metalized Glass .  | 3198 | 021 | 51520 |
| 3246   | Res, 10K, 5%, 1/10W, Metalized Glass .   | 3198 | 021 | 51030 | 3543 | Res, 82K, 1%, 3/5W, Metal Film . . . .  | 2312 | 915 | 18203 |
| 3247   | Res, 220K, 5%, 1/10W, Metalized Glass.   | 3198 | 021 | 52240 | 3544 | Res, 6K8, 1%, 3/5W, Metal Film . . . .  | 2312 | 915 | 16802 |
| 3248   | Res, 27K, 5%, 1/10W, Metalized Glass .   | 3198 | 021 | 52730 | 3545 | Res, 82K, 5%, 1/10W, Metalized Glass .  | 3198 | 021 | 58230 |
| 3249   | Res, 820 ohm, 5%, 1/6W, Carbon Film. .   | 3198 | 011 | 08210 | 3546 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 | 021 | 90020 |
| 3251   | Res, 100 ohm, 5%, 1/6W, Carbon Film. .   | 3198 | 011 | 01010 | 3547 | Res, 0R33, 5%, 3/5W, Metal Film. . . .  | 3198 | 012 | 13370 |
| 3254   | Res, 1M, 5%, 1/10W, Metalized Glass. .   | 3198 | 021 | 51050 | 3548 | Res, 8K2, 5%, 1/10W, Metalized Glass .  | 3198 | 021 | 58220 |
| 3256   | Res, 1K, 5%, 1/10W, Metalized Glass. .   | 3198 | 021 | 51020 | 3549 | Res, 220 ohm, 5%, 1/6W, Carbon Film. .  | 3198 | 011 | 02210 |
| 3257   | Res, 10M, 5%, 1/10W, Metalized Glass .   | 3198 | 021 | 51060 | 3552 | Res, 10K, 5%, 1/10W, Metalized Glass .  | 3198 | 021 | 51030 |
| 3258   | Res, 330K, 5%, 1/10W, Metalized Glass.   | 3198 | 021 | 53340 | 3559 | Res, 1K, 5%, 1/10W, Metalized Glass. .  | 3198 | 021 | 51020 |
| 3259   | Res, 470K, 5%, 1/10W, Metalized Glass.   | 3198 | 021 | 54740 | 3561 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 | 011 | 01010 |
| 3311   | Res, 1K5, 5%, 1/10W, Metalized Glass .   | 3198 | 021 | 51520 | 3562 | Res, 10K, 5%, 1/10W, Metalized Glass .  | 3198 | 021 | 51030 |
| 3312   | Res, 330 ohm, 5%, 1/10W, Metalized Glas  | 3198 | 021 | 53310 | 3563 | Res, 4K7, 5%, 1/10W, Metalized Glass .  | 3198 | 021 | 54720 |
| 3313   | Res, 10 ohm, 5%, 1/10W, Metalized Glass  | 3198 | 021 | 51090 | 3564 | Res, 4R7, 5%, 1 1/3W, Metal Film . . .  | 3198 | 012 | 24780 |
| 3314   | Res, 18K, 5%, 2 1/2W, Metal Film . . .   | 2322 | 195 | 63183 | 3565 | Res, 330 ohm, 5%, 1W, Metal Film . . .  | 3198 | 012 | 13310 |
| S 3316 | Res, 68 ohm, 5%, 1/3W, Metal Film. . .   | 2306 | 204 | 03689 | 3566 | Res, 2K2, 5%, 1/10W, Metalized Glass .  | 3198 | 021 | 52220 |
| 3317   | Res, 1K5, 20%, 1/2W, Carbon Film . . .   | 3198 | 013 | 01520 | 3569 | Res, 5K6, 5%, 1/10W, Metalized Glass .  | 3198 | 021 | 55620 |
| 3321   | Res, 1K5, 5%, 1/10W, Metalized Glass .   | 3198 | 021 | 51520 | 3580 | Res, 47K, 5%, 1/10W, Metalized Glass .  | 3198 | 021 | 54730 |
| 3322   | Res, 330 ohm, 5%, 1/10W, Metalized Glas  | 3198 | 021 | 53310 | 3603 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 | 011 | 01010 |
| 3323   | Res, 10 ohm, 5%, 1/10W, Metalized Glass  | 3198 | 021 | 51090 | 3604 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 | 011 | 01010 |
| 3324   | Res, 18K, 5%, 2 1/2W, Metal Film . . .   | 2322 | 195 | 63183 | 3605 | Res, 4K7, 5%, 1/10W, Metalized Glass .  | 3198 | 021 | 54720 |
| S 3326 | Res, 68 ohm, 5%, 1/3W, Metal Film. . .   | 2306 | 204 | 03689 | 3606 | Res, 2K2, 5%, 1/6W, Carbon Film. . . .  | 3198 | 011 | 02220 |
| 3327   | Res, 1K5, 20%, 1/2W, Carbon Film . . .   | 3198 | 013 | 01520 | 3607 | Res, 2K2, 5%, 1/6W, Carbon Film. . . .  | 3198 | 011 | 02220 |
| 3331   | Res, 1K5, 5%, 1/10W, Metalized Glass .   | 3198 | 021 | 51520 | 3608 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 | 011 | 01010 |
| 3332   | Res, 330 ohm, 5%, 1/10W, Metalized Glas  | 3198 | 021 | 53310 | 3611 | Res, 100 ohm, 5%, 1/10W, Metalized Glas | 3198 | 021 | 51010 |
| 3333   | Res, 10 ohm, 5%, 1/10W, Metalized Glass  | 3198 | 021 | 51090 | 3614 | Res, 4K7, 5%, 1/6W, Carbon Film. . . .  | 3198 | 011 | 04720 |
| 3334   | Res, 18K, 5%, 2 1/2W, Metal Film . . .   | 2322 | 195 | 63183 | 3615 | Res, 10K, 5%, 1/6W, Carbon Film. . . .  | 3198 | 011 | 01030 |
| S 3336 | Res, 68 ohm, 5%, 1/3W, Metal Film. . .   | 2306 | 204 | 03689 | 3617 | Res, 4K7, 5%, 1/6W, Carbon Film. . . .  | 3198 | 011 | 04720 |
| 3337   | Res, 1K5, 20%, 1/2W, Carbon Film . . .   | 3198 | 013 | 01520 | 3618 | Res, 6K8, 5%, 1/6W, Carbon Film. . . .  | 3198 | 011 | 06820 |
| 3341   | Res, 1K5, 20%, 1/2W, Carbon Film . . .   | 3198 | 013 | 01520 | 3619 | Res, 8K2, 5%, 1/6W, Carbon Film. . . .  | 3198 | 011 | 08220 |
| S 3347 | Res, 220 ohm, 5%, 1/3W, Metal Film . . . | 2306 | 204 | 03221 | 3622 | Res, 100 ohm, 5%, 1/10W, Metalized Glas | 3198 | 021 | 51010 |
| 3348   | Res, 1K5, 20%, 1/2W, Carbon Film . . .   | 3198 | 013 | 01520 | 3623 | Res, 4K7, 5%, 1/10W, Metalized Glass .  | 3198 | 021 | 54720 |
| S 3349 | Res, 1R2, 5%, 1/3W, Metal Film . . . .   | 2306 | 204 | 03128 | 3624 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 | 011 | 01010 |
| S 3350 | Res, 1R2, 5%, 1/3W, Metal Film . . . .   | 2306 | 204 | 03128 | 3625 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 | 011 | 01010 |
| 3401   | Res, 330K, 5%, 1/2W, Metalized Glass .   | 2322 | 242 | 13334 | 3626 | Res, 4K7, 5%, 1/10W, Metalized Glass .  | 3198 | 021 | 54720 |
| 3402   | Res, 18K, 5%, 1/6W, Carbon Film. . . .   | 3198 | 011 | 01830 | 3627 | Res, 4K7, 5%, 1/10W, Metalized Glass .  | 3198 | 021 | 54720 |
| 3403   | Res, 22 ohm, 5%, 2 1/2W, Metal Film. .   | 3198 | 012 | 32290 | 3628 | Res, 10K, 5%, 1/10W, Metalized Glass .  | 3198 | 021 | 51030 |
| 3404   | Res, 6R8, 5%, 1/3W, Metal Film . . . .   | 2306 | 204 | 03688 | 3630 | Res, 2K2, 5%, 1/10W, Metalized Glass .  | 3198 | 021 | 52220 |
| 3406   | Res, 10K, 5%, 1/6W, Carbon Film. . . .   | 3198 | 011 | 01030 | 3632 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 | 021 | 90020 |
| 3407   | Res, 220 ohm, 5%, 2 1/2W, Metal Film. .  | 3198 | 012 | 32210 | 3636 | Res, 100 ohm, 5%, 1/10W, Metalized Glas | 3198 | 021 | 51010 |
| 3408   | Res, 1K, 5%, 1/6W, Carbon Film . . . .   | 3198 | 011 | 01020 | 3681 | Res, 390 ohm, 5%, 1/10W, Metalized Glas | 3198 | 021 | 53910 |
| 3410   | Res, 33K, 5%, 1/10W, Metalized Glass .   | 3198 | 021 | 53330 | 3682 | Res, 3K3, 5%, 1/10W, Metalized Glass .  | 3198 | 021 | 53320 |
| S 3411 | Res, 10 ohm, 5%, 1/3W, Metal Film. . .   | 2306 | 204 | 03109 | 3683 | Res, 390 ohm, 5%, 1/10W, Metalized Glas | 3198 | 021 | 53910 |
| 3412   | Res, 3K3, 1%, 3/5W, Metal Film . . . .   | 2312 | 915 | 13302 | 3684 | Res, 560 ohm, 5%, 1/10W, Metalized Glas | 3198 | 021 | 55610 |
| 3413   | Res, 10K, 5%, 1/10W, Metalized Glass .   | 3198 | 021 | 51030 | 3685 | Res, 560 ohm, 5%, 1/10W, Metalized Glas | 3198 | 021 | 55610 |
| 3414   | Res, 1K5, 1%, 3/5W, Metal Film . . . .   | 2312 | 915 | 11502 | 3686 | Res, 1K5, 5%, 1/10W, Metalized Glass .  | 3198 | 021 | 51520 |
| 3415   | Res, 1K, 5%, 1/6W, Carbon Film . . . .   | 3198 | 011 | 01020 | 3691 | Res, 330 ohm, 5%, 1/10W, Metalized Glas | 3198 | 021 | 53310 |
| S 3416 | Res, 3R9, 5%, 1/2W, Metal Film . . . .   | 2306 | 207 | 03398 | 3693 | Res, 220 ohm, 5%, 1/10W, Metalized Glas | 3198 | 021 | 52210 |
| 3417   | Res, 33K, 5%, 1/6W, Carbon Film. . . .   | 3198 | 011 | 03330 | 3694 | Res, 4K7, 5%, 1/10W, Metalized Glass .  | 3198 | 021 | 54720 |
| 3418   | Res, 33K, 5%, 1/10W, Metalized Glass .   | 3198 | 021 | 53330 | 3901 | Res, 1K, 5%, 1/10W, Metalized Glass .   | 3198 | 021 | 51020 |
| 3419   | Res, 6K8, 5%, 1/10W, Metalized Glass .   | 3198 | 021 | 56820 | 3902 | Res, 3K3, 5%, 1/10W, Metalized Glass .  | 3198 | 021 | 53320 |
| 3420   | Res, 33K, 5%, 1/10W, Metalized Glass .   | 3198 | 021 | 53330 | 3903 | Res, 8K2, 5%, 1/10W, Metalized Glass .  | 3198 | 021 | 58220 |
| 3421   | Res, 6R8, 5%, 1 1/3W, Metal Film . . .   | 3198 | 012 | 26880 | 3904 | Res, 10K, 5%, 1/10W, Metalized Glass .  | 3198 | 021 | 51030 |
| 3422   | Res, 100 ohm, 5%, 1/10W, Metalized Glas  | 3198 | 021 | 51010 | 3907 | Res, 8K2, 5%, 1/10W, Metalized Glass .  | 3198 | 021 | 58220 |
| 3423   | Res, 820 ohm, 5%, 1/10W, Metalized Glas  | 3198 | 021 | 58210 | 3941 | Res, 100 ohm, 5%, 1/10W, Metalized Glas | 3198 | 021 | 51010 |
| 3424   | Res, 100 ohm, 5%, 1/6W, Carbon Film. .   | 3198 | 011 | 01010 | 3942 | Res, 3K9, 5%, 1/10W, Metalized Glass .  | 3198 | 021 | 53920 |
| 3425   | Res, 15K, 5%, 1/6W, Carbon Film. . . .   | 3198 | 011 | 01530 | 3943 | Res, 2K7, 5%, 1/10W, Metalized Glass .  | 3198 | 021 | 52720 |
| 3426   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 | 021 | 90020 | 3944 | Res, 2K7, 5%, 1/10W, Metalized Glass .  | 3198 | 021 | 52720 |
| 3427   | Res, 12K, 5%, 1/6W, Carbon Film. . . .   | 3198 | 011 | 01230 | 3945 | Res, 1K, 5%, 1/10W, Metalized Glass .   | 3198 | 021 | 51020 |
| 3428   | Res, 39 ohm, 5%, 1/2W, Metal Film. . .   | 2306 | 207 | 03399 | 3946 | Res, 18K, 5%, 1/10W, Metalized Glass .  | 3198 | 021 | 51830 |
| 3431   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 | 021 | 90020 | 3947 | Res, 330 ohm, 5%, 1/10W, Metalized Glas | 3198 | 021 | 53310 |
| 3432   | Res, 22 ohm, 5%, 1/6W, Carbon Film . .   | 3198 | 011 | 02290 | 3948 | Res, 47K, 5%, 1/10W, Metalized Glass .  | 3198 | 021 | 54730 |
| 3471   | Res, 4R7, 1%, 3/5W, Metal Film . . . .   | 2312 | 915 | 14708 | 3949 | Res, 15K, 5%, 1/10W, Metalized Glass .  | 3198 | 021 | 51530 |
| 3472   | Res, 4R7, 1%, 3/5W, Metal Film . . . .   | 2312 | 915 | 14708 | 3950 | Res, 560 ohm, 5%, 1/10W, Metalized Glas | 3198 | 021 | 55610 |
| 3473   | Res, 2K2, 1%, 3/5W, Metal Film . . . .   | 2312 | 915 | 12202 | 3951 | Res, 390 ohm, 5%, 1/10W, Metalized Glas | 3198 | 021 | 53910 |
| 3474   | Res, 1K, 5%, 1/6W, Carbon Film . . . .   | 3198 | 011 | 01020 | 3981 | Res, 120 ohm, 5%, 1/6W, Carbon Film. .  | 3198 | 011 | 01210 |
| 3475   | Res, 2K2, 1%, 3/5W, Metal Film . . . .   | 2312 | 915 | 12202 | 3982 | Res, 120 ohm, 5%, 1/6W, Carbon Film. .  | 3198 | 011 | 01210 |
| S 3476 | Res, 1R5, 5%, 1/3W, Metal Film . . . .   | 2306 | 204 | 03158 | 4001 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 | 021 | 90020 |
| 3477   | Res, 220 ohm, 5%, 1/6W, Carbon Film. .   | 3198 | 011 | 02210 | 4002 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 | 021 | 90020 |
| 3478   | Res, 220 ohm, 5%, 1/6W, Carbon Film. .   | 3198 | 011 | 02210 | 4181 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 | 021 | 90020 |
| 3479   | Res, 1K, 5%, 1/6W, Carbon Film . . . .   | 3198 | 011 | 01020 | 4212 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 | 021 | 90020 |
| S 3500 | Res, 3M3, 5%, 1/2W, Metalized Glass. .   | 2322 | 242 | 13335 | 4216 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 | 021 | 90020 |
| S 3501 | Res, 3M3, 5%, 1/2W, Metalized Glass. .   | 2322 | 242 | 13335 | 4217 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 | 021 | 90020 |
| 3502   | NTC, DC, B57237, 3W1, 4R7, 20% . . .     | 2122 | 612 | 00055 | 4410 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 | 021 | 90020 |
| 3503   | PTC, DC, ZPB, 120V, 10R, 30% . . . .     | 2120 | 601 | 00026 | 4501 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 | 021 | 90020 |
| 3506   | Res, 220 ohm, 20%, 1/2W, Carbon Film .   | 3198 | 013 | 02210 | 4601 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 | 021 | 90020 |
| 3507   | Surge Protector, DSP-301N-A21F . . . .   | 2422 | 549 | 43073 | 4613 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 | 021 | 90020 |
| 3508   | Res, 1M5, 5%, 1/2W, Metalized Glass. .   | 2322 | 242 | 13155 | 4614 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 | 021 | 90020 |
| 3519   | Res, 270 ohm, 5%, 1/6W, Carbon Film. .   | 3198 | 011 | 02710 | 4615 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 | 021 | 90020 |
| 3520   | Res, 1K2, 5%, 1/10W, Metalized Glass .   | 3198 | 021 | 51220 | 4616 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 | 021 | 90020 |
| 3521   | Res, 4R7, 5%, 1/6W, Carbon Film. . . .   | 3198 | 011 | 04780 | 4617 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 | 021 | 90020 |
| 3522   | Res, 330K, 5%, 1/10W, Metalized Glass.   | 3198 | 021 | 53340 | 4618 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 | 021 | 90020 |
| S 3523 | Res, 100 ohm, 5%, 1/3W, Metal Film . .   | 2306 | 204 | 03101 | 4619 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 | 021 | 90020 |
| 3524   | Res, 56K, 5%, 1/10W, Metalized Glass .   | 3198 | 021 | 55630 | 4622 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 | 021 | 90020 |
| 3525   | Res, 1K, 5%, 1/10W, Metalized Glass. .   | 3198 | 021 | 51020 | 4623 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 | 021 | 90020 |

S = Safety Part Be sure to use exact replacement part.

# 20LL200122 (continued)

|        |  |                |        |                                      |                |
|--------|--|----------------|--------|--------------------------------------|----------------|
| 4691   | Res, Zero ohm, "Chip" Jumper . . . . .     | 3198 021 90020 | 7332   | Transistor, NPN, BF422 . . . . .     | 3198 020 43010 |
| 4692   | Res, Zero ohm, "Chip" Jumper . . . . .     | 3198 021 90020 | 7333   | Transistor, PNP, BF423 . . . . .     | 3198 020 43020 |
| 4693   | Res, Zero ohm, "Chip" Jumper . . . . .     | 3198 021 90020 | 7401   | Transistor, NPN, PPTC143ZT . . . . . | 9340 547 00215 |
| 4807   | Res, Zero ohm, "Chip" Jumper . . . . .     | 3198 021 90020 | 7402   | Transistor, NPN, BUT11APX. . . . .   | 9340 563 21127 |
| 4811   | Res, Zero ohm, "Chip" Jumper . . . . .     | 3198 021 90020 | 7403   | Transistor, NPN, BC337-25. . . . .   | 9331 795 90126 |
| 4812   | Res, Zero ohm, "Chip" Jumper . . . . .     | 3198 021 90020 | 7404   | Transistor, PNP, BC636 . . . . .     | 9332 219 50126 |
| 4813   | Res, Zero ohm, "Chip" Jumper . . . . .     | 3198 021 90020 | 7405   | Transistor, PNP, BC857B. . . . .     | 3198 010 42150 |
| 4814   | Res, Zero ohm, "Chip" Jumper . . . . .     | 3198 021 90020 | 7406   | Transistor, PNP, BC857B. . . . .     | 3198 010 42150 |
| 4901   | Res, Zero ohm, "Chip" Jumper . . . . .     | 3198 021 90020 | 7407   | Transistor, NPN, BD135 . . . . .     | 3198 020 41010 |
| 4911   | Res, Zero ohm, "Chip" Jumper . . . . .     | 3198 021 90020 | 7408   | Transistor, NPN, BD135 . . . . .     | 3198 020 41010 |
| 4982   | Res, Zero ohm, "Chip" Jumper . . . . .     | 3198 021 90020 | 7409   | Transistor, PNP, BC857B. . . . .     | 3198 010 42150 |
| 5001   | Coil, 5u6. . . . .                         | 3198 018 25680 | 7471   | IC, TDA9302H . . . . .               | 9322 088 25682 |
| 5002   | Coil, 820n . . . . .                       | 3198 018 18270 | S 7515 | Optic Coupler, TCET1103(G) . . . . . | 9322 140 14667 |
| 5201   | Coil, 6u8. . . . .                         | 3198 018 16880 | 7520   | IC, TEA1507P/N1. . . . .             | 9352 673 56112 |
| 5202   | Coil, 10u. . . . .                         | 3198 018 21090 | 7521   | F.E.T. Power, STP5NC50FP . . . . .   | 9322 160 71687 |
| 5241   | Coil, 10u. . . . .                         | 3198 018 21090 | 7522   | Transistor, NPN, BC847B. . . . .     | 3198 010 42030 |
| 5242   | Coil, 10u. . . . .                         | 3198 018 11090 | 7540   | Transistor, NPN, BC547B. . . . .     | 3198 020 40030 |
| 5341   | Coil, 22u. . . . .                         | 2422 535 95365 | 7541   | Transistor, NPN, PPTC114ET . . . . . | 9340 310 10215 |
| 5342   | Inductor, Fixed, 100MHz, 50R . . . . .     | 3198 018 90010 | 7542   | Transistor, PNP, BC857B. . . . .     | 3198 010 42150 |
| 5408   | Coil, 27u. . . . .                         | 2422 535 95366 | 7560   | IC, L78L33ACZ. . . . .               | 9322 134 92676 |
| 5410   | Coil, 27u. . . . .                         | 2422 535 95366 | 7561   | Transistor, NPN, PPTC143ZT . . . . . | 9340 547 00215 |
| 5444   | Transformer, Signal, Driver. . . . .       | 2422 531 02446 | 7580   | Transistor, PNP, BC857B. . . . .     | 3198 010 42150 |
| S 5445 | Transformer, MSL0T4. . . . .               | 3128 138 21541 | 7602   | IC, M24C08-WBN6. . . . .             | 9322 154 38682 |
| S 5502 | Filter, Mains, 5MH, 1A C914-01 Y . . . . . | 2422 549 44284 | 7902   | IC, AN7523N. . . . .                 | 9322 158 66667 |
| S 5520 | Ttransformer, SS28011-04 B . . . . .       | 2422 531 02458 | 7941   | Transistor, NPN, BC847B. . . . .     | 3198 010 42030 |
| 5521   | Inductor, Fixed, 100MHz, 50R . . . . .     | 3198 018 90010 | 7942   | Transistor, NPN, BC847B. . . . .     | 3198 010 42030 |
| 5560   | Inductor, Fixed, 100MHz, 50R . . . . .     | 3198 018 90010 | 7943   | Transistor, NPN, BC847B. . . . .     | 3198 010 42030 |
| 5561   | Coil, 27u. . . . .                         | 3198 018 22790 | 9001   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 5562   | Inductor, Fixed, 100MHz, 50R . . . . .     | 3198 018 90010 | 9171   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 5563   | Inductor, Fixed, 100MHz, 50R . . . . .     | 3198 018 90010 | 9172   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 5602   | Coil, 5u6. . . . .                         | 3198 018 15680 | 9173   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 5603   | Coil, 5u6. . . . .                         | 3198 018 15680 | 9174   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 5604   | Coil, 5u6. . . . .                         | 3198 018 15680 | 9175   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6001   | Zener Diode, 33 volt . . . . .             | 3198 010 23390 | 9177   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6201   | Diode, Signal, BAS316. . . . .             | 3198 010 10630 | 9181   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6202   | Diode, Signal, BAS316. . . . .             | 3198 010 10630 | 9182   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6206   | Zener Diode, 6.8 volt. . . . .             | 3198 020 56880 | 9183   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6241   | Zener Diode, 6.8 volt. . . . .             | 3198 020 56880 | 9191   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6311   | Diode, Signal, BAV21 . . . . .             | 3198 010 10070 | 9192   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6321   | Diode, Signal, BAV21 . . . . .             | 3198 010 10070 | 9193   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6331   | Diode, Signal, BAV21 . . . . .             | 3198 010 10070 | 9301   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6341   | Diode, Signal, BAV21 . . . . .             | 3198 010 10070 | 9302   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6342   | Diode, Signal, BA282 . . . . .             | 9337 587 20673 | 9303   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6343   | Zener Diode, 8.2 volt. . . . .             | 3198 020 58280 | 9304   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6401   | Diode, Signal, BAV21 . . . . .             | 3198 010 10070 | 9402   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6402   | Diode, Rect, BVV27-200. . . . .            | 9322 126 72673 | 9403   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6404   | Diode, Rect, BYD33M . . . . .              | 9337 410 30133 | 9404   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6405   | Diode, Rect, BYD33D . . . . .              | 9337 234 00133 | 9420   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6406   | Diode, Signal, BAV70 . . . . .             | 9331 849 10215 | 9421   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6407   | Diode, Signal, BAS316. . . . .             | 3198 010 10630 | 9425   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6408   | Diode, Signal, BAS316. . . . .             | 3198 010 10630 | 9426   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6409   | Diode, Rect, BYD33D . . . . .              | 9337 234 00133 | 9427   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6410   | Diode, Rect, BYD33D . . . . .              | 9337 234 00133 | 9428   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6413   | Diode, Signal, 1N4148. . . . .             | 3198 010 10010 | 9430   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6414   | Zener Diode, 6.2 volt. . . . .             | 9331 668 30133 | 9431   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6415   | Diode, Signal, BAS316. . . . .             | 3198 010 10630 | 9432   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6419   | Zener Diode, 5.6 volt. . . . .             | 9331 177 30133 | 9433   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6420   | Zener Diode, 9.1 volt. . . . .             | 9331 177 80133 | 9434   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6423   | Diode, Rect, BYD33D . . . . .              | 9337 234 00133 | 9471   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6471   | Diode, Rect, BYD33D . . . . .              | 9337 234 00133 | 9500   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6500   | Diode, Rect, 1N5062 . . . . .              | 3198 010 10120 | 9501   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6501   | Diode, Rect, 1N5062 . . . . .              | 3198 010 10120 | 9504   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6502   | Diode, Rect, 1N5062 . . . . .              | 3198 010 10120 | 9505   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6503   | Diode, Rect, 1N5062 . . . . .              | 3198 010 10120 | 9506   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6520   | Diode, Rect, BYD33D . . . . .              | 9337 234 00133 | 9507   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6523   | Diode, Signal, 1N4148. . . . .             | 3198 010 10010 | 9508   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6540   | Zener Diode, 6.2 volt. . . . .             | 9331 668 30133 | 9509   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6541   | Zener Diode, 10 volt . . . . .             | 3198 010 21090 | 9510   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6560   | Diode, Rect, BYW76-RAS15/10 . . . . .      | 9322 127 32682 | 9511   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6561   | Diode, Rect, BYW76-RAS15/10 . . . . .      | 9322 127 32682 | 9512   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6562   | Diode, Rect, EGP20DL-5100 . . . . .        | 9322 164 42682 | 9513   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6563   | Diode, Signal, BAS316. . . . .             | 3198 010 10630 | 9514   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6565   | Diode, Signal, BAV70 . . . . .             | 9331 849 10215 | 9517   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6566   | Diode, Signal, BAS316. . . . .             | 3198 010 10630 | 9520   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6569   | Diode, Signal, BAS316. . . . .             | 3198 010 10630 | 9521   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6570   | Zener Diode, 6.8 volt. . . . .             | 3198 020 56880 | 9522   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6580   | Diode, Signal, BAS316. . . . .             | 3198 010 10630 | 9523   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6681   | Diode, Signal, BAT85 . . . . .             | 9336 247 60133 | 9524   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6691   | LED VS LTL-10224WHCR . . . . .             | 9322 050 99682 | 9610   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6692   | IR Receiver, TSOP1836UH3V. . . . .         | 9322 127 54667 | 9611   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6901   | Res, Zero ohm, "Chip" Jumper . . . . .     | 3198 021 90020 | 9612   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 7200   | IC, TDA9587H/N1/3/0482 . . . . .           | 9352 699 88557 | 9613   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 7201   | Transistor, NPN, BC847B. . . . .           | 3198 010 42030 | 9614   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 7204   | Transistor, PNP, BC857B. . . . .           | 3198 010 42150 | 9615   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 7241   | Transistor, PNP, PPTA114ET . . . . .       | 3198 010 44010 | 9616   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 7311   | Transistor, NPN, BF422 . . . . .           | 3198 020 43010 | 9617   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 7312   | Transistor, NPN, BF422 . . . . .           | 3198 020 43010 | 9619   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 7313   | Transistor, PNP, BF423 . . . . .           | 3198 020 43020 | 9620   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 7321   | Transistor, NPN, BF422 . . . . .           | 3198 020 43010 | 9621   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 7322   | Transistor, NPN, BF422 . . . . .           | 3198 020 43010 | 9622   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 7323   | Transistor, PNP, BF423 . . . . .           | 3198 020 43020 | 9623   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 7331   | Transistor, NPN, BF422 . . . . .           | 3198 020 43010 | 9624   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |

S = Safety Part Be sure to use exact replacement part.

## 20LL200122 (continued)

|      |                      |                |        |  |                |
|------|----------------------|----------------|--------|--|----------------|
| 9625 | Wire Jumper, 0.58MM. | 3198 036 90010 | S AC01 | AC Power Cord.                         | 3135 010 04781 |
| 9626 | Wire Jumper, 0.58MM. | 3198 036 90010 | AC03   | Cabinet, Back.                         | 3139 124 40061 |
| 9627 | Wire Jumper, 0.58MM. | 3198 036 90010 | AC04   | Cabinet, Front                         | 3139 138 12181 |
| 9628 | Wire Jumper, 0.58MM. | 3198 036 90010 | AC05   | Chassis Guide.                         | 3139 124 37561 |
| 9630 | Wire Jumper, 0.58MM. | 3198 036 90010 | S AC08 | CRT, A48JLL40X46(MO).                  | 9322 166 57682 |
| 9631 | Wire Jumper, 0.58MM. | 3198 036 90010 | S AC09 | Degaussing Coil, 19"                   | 2422 549 44428 |
| 9632 | Wire Jumper, 0.58MM. | 3198 036 90010 | AC10   | Degaussing Coil Holder                 | 3135 013 01641 |
| 9633 | Wire Jumper, 0.58MM. | 3198 036 90010 | AC11   | Light Guide.                           | 3139 124 36271 |
| 9634 | Wire Jumper, 0.58MM. | 3198 036 90010 | AC12   | Nameplate.                             | 3139 120 01391 |
| 9637 | Wire Jumper, 0.58MM. | 3198 036 90010 | AC13   | Owners Manual.                         | 3121 235 20171 |
| 9638 | Wire Jumper, 0.58MM. | 3198 036 90010 | AC14   | Control Knob, 19"                      | 3139 138 12161 |
| 9639 | Wire Jumper, 0.58MM. | 3198 036 90010 | AC14   | Mains Knob                             | 3139 138 12171 |
| 9640 | Wire Jumper, 0.58MM. | 3198 036 90010 | AC16   | Speaker, 16 ohm, 8W.                   | 2422 264 00407 |
| 9641 | Wire Jumper, 0.58MM. | 3198 036 90010 | S AC18 | ITC = Integrated Tube Component, CRT & |                |
| 9642 | Wire Jumper, 0.58MM. | 3198 036 90010 |        | Yoke Pre-Set                           | 0000 000 00ITC |
| 9643 | Wire Jumper, 0.58MM. | 3198 036 90010 | AC21   | Battery, Zinc, 1.5V, 2-Pk.             | 9299 000 65263 |
| 9644 | Wire Jumper, 0.58MM. | 3198 036 90010 | AC32   | Assembly Braid, 19"                    | 3135 010 07321 |
| 9645 | Wire Jumper, 0.58MM. | 3198 036 90010 | AC38   | Speaker Clip                           | 3139 124 32931 |
| 9648 | Wire Jumper, 0.58MM. | 3198 036 90010 | REMOTE | Remote Transmitter RC19335004/01       | 3139 228 86462 |
| 9650 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9653 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9654 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9657 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9658 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9659 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9660 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9661 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9662 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9663 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9664 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9665 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9666 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9668 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9669 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9670 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9672 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9673 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9674 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9675 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9676 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9678 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9679 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9680 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9682 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9683 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9684 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9686 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9687 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9688 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9689 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9690 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9691 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9692 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9695 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9697 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9698 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9699 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9811 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9812 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9813 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9814 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9815 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9816 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9817 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9818 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9820 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9821 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9822 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9824 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9825 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9826 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9827 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9828 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9829 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9830 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9832 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9911 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9912 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9915 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9916 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9917 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9921 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9982 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9991 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9993 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9994 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9996 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9997 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9998 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| CBA  | Main Chassis         | 3139 177 21301 |        |  |                |

### Model 20LL200/122 Cabinet Parts

Model 20LL200/122 Cabinet Parts

S = Safety Part Be sure to use exact replacement part.

# 20LL200125 - Manual no. 7602

## Main Chassis

| Main Chassis |   |                |
|--------------|---|----------------|
| 0127         | 2 Pin Fuse Socket. . . . .                                | 3122 358 71251 |
| 0138         | IC-SPRING FOR ITEM 7471 (IC TDA9302H). . . . .            | 3104 301 22081 |
| 0139         | IC-SPRING 7402 . . . . .                                  | 3139 121 24581 |
| 0211         | 2 Pin Connector (AC Input Plug). . . . .                  | 2422 025 16269 |
| 0212         | 2 Pin Connector (Degaussing Plug (RED)) . . . . .         | 2422 025 16375 |
| 0217         | 3 Pin Connector. . . . .                                  | 2412 020 00725 |
| 0218         | 2 Pin Connector. . . . .                                  | 2422 026 04637 |
| 0220         | 3 Pin Connector. . . . .                                  | 2422 025 04851 |
| 0221         | 6 Pin Connector. . . . .                                  | 2422 025 15503 |
| 0222         | 2 Pin Connector. . . . .                                  | 2422 025 10646 |
| 0232         | Headphone Jack . . . . .                                  | 2422 026 04747 |
| 0243         | 6 Pin Connector. . . . .                                  | 2422 025 04854 |
| 0244         | 3 Pin Connector. . . . .                                  | 2422 025 04851 |
| 0245         | 6 Pin Connector. . . . .                                  | 2422 025 04854 |
| 0246         | 3 Pin Connector. . . . .                                  | 2412 020 00725 |
| 0254         | 9 Pin CRT Socket (N-NECK). . . . .                        | 2422 500 80067 |
| 1000         | Tuner V+U PLL F ENV56D98G3 . . . . .                      | 2422 542 90108 |
| 1002         | 45.75 MHz Saw Filter F072TPL-A . . . . .                  | 2422 549 44327 |
| 1200         | 4.5MHz Ceramic Filter, TPS*MB. . . . .                    | 2422 549 40807 |
| 1500         | 5 Amp, 250V, Fuse (5X20) . . . . .                        | 2422 086 10905 |
| 1515         | 5 Amp, 12V, 1 Pin Relay, G5PA-1. . . . .                  | 2422 132 07444 |
| 1600         | Tact Switch. . . . .                                      | 2422 128 02742 |
| 1601         | Tact Switch. . . . .                                      | 2422 128 02742 |
| 1602         | Tact Switch. . . . .                                      | 2422 128 02742 |
| 1603         | Tact Switch. . . . .                                      | 2422 128 02742 |
| 1606         | Tact Switch. . . . .                                      | 2422 128 02742 |
| 1660         | 12MHz, Crystal Resonator, HC49/U A . . . . .              | 2422 543 01203 |
| 2004         | 0.047uF., 25V, Ceramic . . . . .                          | 3198 023 04730 |
| 2005         | 10uF., 20%, 50V, Electrolytic. . . . .                    | 3198 025 51090 |
| 2006         | 470uF., 20%, 16V, Electrolytic . . . . .                  | 3198 025 24710 |
| 2007         | 0.1uF, 25V, Ceramic. . . . .                              | 3198 023 21040 |
| 2008         | 100uF., 20%, 25V, Electrolytic . . . . .                  | 3198 025 31010 |
| 2009         | 0.022uF., 50V, Ceramic . . . . .                          | 3198 017 02230 |
| 2181         | 22pF., 50V, Ceramic. . . . .                              | 3198 016 02290 |
| 2182         | 330pF., 50V, Ceramic . . . . .                            | 3198 016 03310 |
| 2184         | 2.2uF., 10V, Ceramic . . . . .                            | 3198 017 22250 |
| 2202         | 0.1uF, 25V, Ceramic. . . . .                              | 3198 023 21040 |
| 2203         | 0.1uF, 25V, Ceramic. . . . .                              | 3198 023 21040 |
| 2204         | 0.1uF, 25V, Ceramic. . . . .                              | 3198 023 21040 |
| 2205         | 0.22uF., 25V, Ceramic. . . . .                            | 3198 023 22240 |
| 2208         | 0.1uF, 25V, Ceramic. . . . .                              | 3198 023 21040 |
| 2209         | 4.7uF., 20%, 50V, Electrolytic . . . . .                  | 3198 025 54780 |
| 2210         | 0.47uF., 20%, 50V, Electrolytic. . . . .                  | 3198 025 54770 |
| 2211         | 0.47uF, 16V, Ceramic . . . . .                            | 3198 017 24740 |
| 2216         | 100uF., 20%, 25V, Electrolytic . . . . .                  | 3198 025 31010 |
| 2217         | 0.022uF., 50V, Ceramic . . . . .                          | 3198 017 02230 |
| 2219         | 0.22uF., 25V, Ceramic . . . . .                           | 3198 023 22240 |
| 2226         | 4700pF., 50V, Ceramic. . . . .                            | 3198 017 04720 |
| 2227         | 4700pF., 50V, Ceramic. . . . .                            | 3198 017 04720 |
| 2228         | 820pF., 50V, Ceramic . . . . .                            | 3198 016 08210 |
| 2229         | 10uF., 20%, 50V, Electrolytic. . . . .                    | 3198 025 51090 |
| 2233         | 820pF., 50V, Ceramic . . . . .                            | 3198 016 08210 |
| 2241         | 4700pF., 50V, Ceramic. . . . .                            | 3198 017 04720 |
| 2242         | 1uF., 16V, Ceramic. . . . .                               | 3198 017 21050 |
| 2243         | 2200pF., 50V, Ceramic . . . . .                           | 3198 017 02220 |
| 2244         | 0.1uF., 10%, 63V, Metalized Polyester. . . . .            | 2222 370 75104 |
| 2245         | 0.22uF., 25V, Ceramic . . . . .                           | 3198 023 22240 |
| 2246         | 4.7uF., 20%, 50V, Electrolytic . . . . .                  | 3198 025 54780 |
| 2247         | 100uF., 20%, 25V, Electrolytic . . . . .                  | 3198 025 31010 |
| 2248         | 0.022uF., 50V, Ceramic . . . . .                          | 3198 017 02230 |
| 2249         | 0.022uF., 50V, Ceramic . . . . .                          | 3198 017 02230 |
| 2250         | 2.2uF., 20%, 50V, Electrolytic . . . . .                  | 3198 025 52280 |
| 2252         | 1000pF., 50V, Ceramic. . . . .                            | 3198 016 01020 |
| 2253         | 1000pF., 50V, Ceramic. . . . .                            | 3198 016 01020 |
| 2254         | 100pF., 50V, Ceramic . . . . .                            | 3198 016 01010 |
| 2313         | 220pF., 50V, Ceramic . . . . .                            | 3198 016 02210 |
| 2323         | 390pF., 50V, Ceramic . . . . .                            | 3198 016 03910 |
| 2331         | 390pF., 50V, Ceramic . . . . .                            | 3198 016 03910 |
| 2341         | 2200pF., 1kV, 10%, Ceramic . . . . .                      | 2020 558 90571 |
| 2342         | 0.047uF, 10%, 250V Metalized Polyester . . . . .          | 2222 365 45473 |
| 2343         | 0.047uF, 10%, 250V Metalized Polyester . . . . .          | 2222 365 45473 |
| 2401         | 680pF, 50V, Ceramic. . . . .                              | 3198 019 16810 |
| 2402         | 0.68uF., 5%, 250V, Metalized Polypropyl<br>ene. . . . .   | 2222 479 90027 |
| 2406         | 330pF., 50V, Ceramic . . . . .                            | 3198 016 03310 |
| 2407         | 0.011uF., 5%, 1.6kV, Metalized Polyprop<br>ylene. . . . . | 2222 375 90155 |
| 2408         | 0.022uF., 50V, Ceramic . . . . .                          | 3198 019 22230 |
| 2409         | 47uF., 20%, 160V, Electrolytic . . . . .                  | 2020 021 91139 |
| 2410         | 470uF., 20%, 16V, Electrolytic . . . . .                  | 2020 021 91577 |
| 2411         | 47uF., 20%, 25V, Electrolytic. . . . .                    | 2020 021 90586 |
| 2412         | 0.033uF., 10%, 100V, Metalized Polyester . . . . .        | 2222 347 90236 |
| 2413         | 10uF., 20%, 250V, Electrolytic . . . . .                  | 2020 012 93495 |
| 2414         | 1000uF., 20%, 16V, Electrolytic. . . . .                  | 2020 021 91049 |
| 2417         | 1000uF., 20%, 16V, Electrolytic. . . . .                  | 2020 021 91049 |
| 2418         | 0.01uF., 50V, Ceramic . . . . .                           | 3198 017 01030 |
| 2419         | 1uF., 20%, 50V, Electrolytic . . . . .                    | 2020 021 91147 |
| 2420         | 1uF., 20%, 50V, Electrolytic . . . . .                    | 3198 025 51080 |
| 2421         | 0.047uF, 50V, Ceramic. . . . .                            | 3198 017 24730 |
| 2422         | 470uF., 20%, 16V, Electrolytic . . . . .                  | 2020 021 91577 |

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|------|--|----------------|
| 2423 | 10uF., 20%, 100V, Electrolytic . . . . .                 | 2020 021 90813 |
| 2471 | 0.1uF., 10%, 50V, Metalized Polyester. . . . .           | 3198 014 01040 |
| 2472 | 0.1uF., 10%, 50V, Metalized Polyester. . . . .           | 3198 014 01040 |
| 2473 | 100uF., 20%, 50V, Electrolytic . . . . .                 | 2020 021 90587 |
| 2475 | 470pF., 50V, Ceramic . . . . .                           | 3198 016 04710 |
| 2476 | 0.22uF., 10%, 50V, Metalized Polyester . . . . .         | 3198 014 02240 |
| 2477 | 470pF., 50V, Ceramic . . . . .                           | 3198 016 04710 |
| 2500 | 0.47uF., 20%, 275V, Metalized Polypropyl<br>ene. . . . . | 2022 330 00018 |
| 2501 | 2200pF., 1kV, Ceramic. . . . .                           | 3198 019 52220 |
| 2502 | 2200pF., 1kV, Ceramic. . . . .                           | 3198 019 52220 |
| 2503 | 220uF, 20%, 200V, Electrolytic . . . . .                 | 2020 024 90557 |
| 2504 | 2200pF., 1kV, Ceramic. . . . .                           | 3198 019 52220 |
| 2506 | 2200pF., 1kV, Ceramic. . . . .                           | 3198 019 52220 |
| 2508 | 470pF., 1kV, 10%, Ceramic. . . . .                       | 3198 019 64710 |
| 2515 | 1500pF., 250V, 20%, Ceramic. . . . .                     | 2020 554 90172 |
| 2520 | 0.1uF., 16V, Ceramic . . . . .                           | 3198 017 01040 |
| 2521 | 22uF., 20%, 50V, Electrolytic. . . . .                   | 3198 025 52290 |
| 2522 | 0.1uF., 16V, Ceramic . . . . .                           | 3198 017 01040 |
| 2523 | 1500pF., 2kV, 10%, Ceramic . . . . .                     | 2020 558 90489 |
| 2525 | 470pF, 50V, Ceramic. . . . .                             | 3198 017 04710 |
| 2526 | 0.001uF., 50V, Ceramic . . . . .                         | 3198 017 01020 |
| 2527 | 470pF, 50V, Ceramic. . . . .                             | 3198 017 04710 |
| 2540 | 0.015uF., 50V, Ceramic . . . . .                         | 3198 017 01530 |
| 2560 | 1000pF., 1kV, 10%, Ceramic . . . . .                     | 3198 019 61020 |
| 2561 | 47uF., 20%, 160V, Electrolytic . . . . .                 | 2020 021 91358 |
| 2562 | 1000pF, 50V, Ceramic . . . . .                           | 3198 019 11020 |
| 2563 | 0.1uF., 10%, 50V, Metalized Polyester. . . . .           | 3198 014 01040 |
| 2564 | 2200uF., 20%, 16V, Electrolytic. . . . .                 | 2020 012 93057 |
| 2565 | 470pF., 1kV, 10%, Ceramic. . . . .                       | 3198 019 64710 |
| 2567 | 47uF., 20%, 25V, Electrolytic. . . . .                   | 3198 025 34790 |
| 2568 | 1uF., 20%, 50V, Electrolytic . . . . .                   | 3198 025 51080 |
| 2569 | 470pF, 50V, Ceramic. . . . .                             | 3198 017 04710 |
| 2580 | 47uF., 20%, 25V, Electrolytic. . . . .                   | 3198 025 34790 |
| 2601 | 0.22uF., 25V, Ceramic. . . . .                           | 3198 023 22240 |
| 2602 | 100pF., 50V, Ceramic . . . . .                           | 3198 016 01010 |
| 2606 | 1000pF., 50V, Ceramic. . . . .                           | 3198 016 01020 |
| 2607 | 33pF., 50V, Ceramic. . . . .                             | 3198 016 03390 |
| 2608 | 0.1uF, 25V, Ceramic. . . . .                             | 3198 023 21040 |
| 2609 | 33pF., 50V, Ceramic. . . . .                             | 3198 016 03390 |
| 2611 | 0.1uF, 25V, Ceramic. . . . .                             | 3198 023 21040 |
| 2612 | 22pF., 50V, Ceramic. . . . .                             | 3198 016 02290 |
| 2613 | 22pF., 50V, Ceramic. . . . .                             | 3198 016 02290 |
| 2615 | 1000pF., 50V, Ceramic. . . . .                           | 3198 016 01020 |
| 2618 | 0.01uF., 50V, Ceramic. . . . .                           | 3198 017 01030 |
| 2619 | 1uF., 16V, Ceramic. . . . .                              | 3198 017 21050 |
| 2691 | 100uF., 20%, 25V, Electrolytic . . . . .                 | 3198 025 31010 |
| 2902 | 220uF., 20%, 50V, Electrolytic . . . . .                 | 3198 026 52210 |
| 2903 | 1uF., 20%, 50V, Electrolytic . . . . .                   | 3198 025 51080 |
| 2904 | 1uF., 16V, Ceramic. . . . .                              | 3198 017 21050 |
| 2905 | 1000pF., 50V, Ceramic. . . . .                           | 3198 016 01020 |
| 2908 | 10uF., 20%, 50V, Electrolytic. . . . .                   | 3198 025 51090 |
| 2941 | 1uF., 20%, 50V, Electrolytic . . . . .                   | 3198 025 51080 |
| 2942 | 0.033uF., 50V, Ceramic . . . . .                         | 3198 017 03330 |
| 2943 | 0.1uF., 16V, Ceramic . . . . .                           | 3198 017 01040 |
| 2944 | 0.047uF, 50V, Ceramic. . . . .                           | 3198 017 24730 |
| 2945 | 0.01uF., 50V, Ceramic. . . . .                           | 3198 017 01030 |
| 2946 | 1uF., 16V, Ceramic. . . . .                              | 3198 017 21050 |
| 2981 | 100uF., 20%, 25V, Electrolytic . . . . .                 | 3198 025 31010 |
| 2982 | 470pF., 50V, Ceramic . . . . .                           | 3198 016 04710 |
| 2983 | 100uF., 20%, 25V, Electrolytic . . . . .                 | 3198 025 31010 |
| 2984 | 470pF., 50V, Ceramic . . . . .                           | 3198 016 04710 |
| 3000 | 100 ohm, 5%, 1/6W Carbon . . . . .                       | 3198 011 01010 |
| 3001 | 100 ohm, 5%, 1/6W Carbon . . . . .                       | 3198 011 01010 |
| 3002 | Zero ohm "Chip" Jumper . . . . .                         | 3198 021 90020 |
| 3003 | 1.5k, 5% . . . . .                                       | 3198 021 51520 |
| 3004 | 8.2k, 5% . . . . .                                       | 3198 021 58220 |
| 3005 | 100 ohm, 5%, 1/6W Carbon . . . . .                       | 3198 011 01010 |
| 3181 | 75 ohm, 5%, 1/6W Carbon . . . . .                        | 3198 011 07590 |
| 3182 | 100 ohm, 5%, 1/6W Carbon . . . . .                       | 3198 011 01010 |
| 3183 | 150 ohm, 5%, 1/6W Carbon . . . . .                       | 3198 011 01510 |
| 3184 | 47k, 5%. . . . .   | 3198 021 54730 |
| 3200 | 390 ohm, 5%, 1/6W Carbon . . . . .                       | 3198 011 03910 |
| 3201 | 100 ohm, 5%, 1/6W Carbon . . . . .                       | 3198 011 01010 |
| 3202 | 100 ohm, 5%, 1/6W Carbon . . . . .                       | 3198 011 01010 |
| 3203 | 100 ohm, 5%, 1/6W Carbon . . . . .                       | 3198 011 01010 |
| 3204 | 10k, 5%, 1/6W Carbon . . . . .                           | 3198 011 01030 |
| 3206 | 100k, 5% . . . . .                                       | 3198 021 51040 |
| 3207 | 1k, 5%, 1/6W Carbon. . . . .                             | 3198 011 01020 |
| 3208 | 220 ohm, 5%. . . . .                                     | 3198 021 52210 |
| 3209 | 68 ohm, 5% . . . . .                                     | 3198 021 56890 |
| 3212 | 470 ohm, 5%. . . . .                                     | 3198 021 54710 |
| 3213 | 560 ohm, 5%, 1/6W Carbon . . . . .                       | 3198 011 05610 |
| 3217 | 330k, 5% . . . . .                                       | 3198 021 53340 |
| 3218 | 82k, 5%. . . . .   | 3198 021 58230 |
| 3219 | 2.2k, 5% . . . . .                                       | 3198 021 52220 |
| 3226 | 560 ohm, 5%. . . . .                                     | 3198 021 55610 |
| 3232 | 2.2k, 5% . . . . .                                       | 3198 021 52220 |
| 3235 | 100 ohm, 5%, 1/6W Carbon . . . . .                       | 3198 011 01010 |
| 3241 | 22k, 5%. . . . .   | 3198 021 52230 |
| 3242 | 27k, 5%. . . . .   | 3198 021 52730 |
| 3244 | 820 ohm, 5%, 1/6W Carbon . . . . .                       | 3198 011 08210 |

# 20LL200125 (continued)

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|------|---|----------------|------|--|----------------|
| 3245 | 39k, 5% . . . . .   | 3198 021 53930 | 3531 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3246 | 10k, 5% . . . . .   | 3198 021 51030 | 3541 | 470 ohm, 5% . . . . .                      | 3198 021 54710 |
| 3247 | 220k, 5% . . . . .  | 3198 021 52240 | 3542 | 1.5k, 5% . . . . .                         | 3198 021 51520 |
| 3248 | 27k, 5% . . . . .   | 3198 021 52730 | 3543 | 82k, 1%, Metal Film. . . . .               | 2322 156 28203 |
| 3249 | 820 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 08210 | 3544 | 6.8k, 1%, Metal Film . . . . .             | 2322 156 26802 |
| 3251 | 100 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 01010 | 3545 | 82k, 5% . . . . .                          | 3198 021 58230 |
| 3254 | 1M, 5% . . . . .  | 3198 021 51050 | 3546 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3256 | 1k, 5% . . . . .  | 3198 021 51020 | 3547 | 0.33 ohm, 5%, 1W, Power Resistor . . . . . | 3198 012 13370 |
| 3257 | 10Meg, 5% . . . . .   | 3198 021 51060 | 3548 | 8.2k, 5% . . . . .                         | 3198 021 58220 |
| 3258 | 330k, 5% . . . . .  | 3198 021 53340 | 3549 | 470 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 04710 |
| 3259 | 470k, 5% . . . . .  | 3198 021 54740 | 3552 | 10k, 5% . . . . .                          | 3198 021 51030 |
| 3311 | 3.9k, 5% . . . . .  | 3198 021 53920 | 3559 | 1k, 5% . . . . .                           | 3198 021 51020 |
| 3312 | 330 ohm, 5% . . . . .   | 3198 021 53310 | 3561 | 220 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 02210 |
| 3313 | 10 ohm, 5% . . . . .  | 3198 021 51090 | 3562 | 10k, 5% . . . . .                          | 3198 021 51030 |
| 3314 | 18k, 5%, Metal Film. . . . .                                  | 2322 195 63183 | 3563 | 4.7k, 5% . . . . .                         | 3198 021 54720 |
| 3316 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                  | 2306 204 03689 | 3564 | 4.7 ohm, 5%, 2W, Power Resistor. . . . .   | 3198 012 24780 |
| 3317 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3565 | 330 ohm, 5%, 1W, Power Resistor. . . . .   | 3198 012 13310 |
| 3321 | 3.9k, 5% . . . . .  | 3198 021 53920 | 3566 | 2.2k, 5% . . . . .                         | 3198 021 52220 |
| 3322 | 330 ohm, 5% . . . . .   | 3198 021 53310 | 3569 | 5.6k, 5% . . . . .                         | 3198 021 55620 |
| 3323 | 10 ohm, 5% . . . . .  | 3198 021 51090 | 3580 | 47k, 5% . . . . .                          | 3198 021 54730 |
| 3324 | 18k, 5%, Metal Film. . . . .                                  | 2322 195 63183 | 3603 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3326 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                  | 2306 204 03689 | 3604 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3327 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3605 | 4.7k, 5% . . . . .                         | 3198 021 54720 |
| 3331 | 3.9k, 5% . . . . .  | 3198 021 53920 | 3606 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3332 | 330 ohm, 5% . . . . .   | 3198 021 53310 | 3607 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3333 | 10 ohm, 5% . . . . .  | 3198 021 51090 | 3608 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3334 | 18k, 5%, Metal Film. . . . .                                  | 2322 195 63183 | 3611 | 100 ohm, 5% . . . . .                      | 3198 021 51010 |
| 3336 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                  | 2306 204 03689 | 3614 | 4.7k, 5%, 1/6W Carbon. . . . .             | 3198 011 04720 |
| 3337 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3615 | 10k, 5%, 1/6W Carbon . . . . .             | 3198 011 01030 |
| 3341 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3617 | 4.7k, 5%, 1/6W Carbon. . . . .             | 3198 011 04720 |
| 3347 | 220 ohm, 5% Fusible Resistor NFR25 . . . . .                  | 2306 204 03221 | 3618 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3348 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3619 | 8.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 08220 |
| 3349 | 1 ohm, 5%, Fusible Resistor NFR25. . . . .                    | 2306 204 03108 | 3622 | 100 ohm, 5% . . . . .                      | 3198 021 51010 |
| 3350 | 1 ohm, 5%, Fusible Resistor NFR25. . . . .                    | 2306 204 03108 | 3623 | 4.7k, 5% . . . . .                         | 3198 021 54720 |
| 3401 | 330k, 5% . . . . .  | 2322 242 13334 | 3624 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3402 | 18k, 5%, 1/6W Carbon . . . . .                                | 3198 011 01830 | 3625 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3403 | 22 ohm, 5%, 3W, Power Resistor . . . . .                      | 3198 012 32290 | 3626 | 4.7k, 5% . . . . .                         | 3198 021 54720 |
| 3404 | 6.8 ohm, 5%, Fusible Resistor NFR25. . . . .                  | 2306 204 03688 | 3627 | 4.7k, 5% . . . . .                         | 3198 021 54720 |
| 3406 | 10k, 5%, 1/6W Carbon . . . . .                                | 3198 011 01030 | 3628 | 10k, 5% . . . . .                          | 3198 021 51030 |
| 3407 | 220 ohm, 5%, 3W, Power Resistor. . . . .                      | 3198 012 32210 | 3630 | 2.2k, 5% . . . . .                         | 3198 021 52220 |
| 3408 | 1k, 5%, 1/6W Carbon. . . . .                                  | 3198 011 01020 | 3632 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3410 | 33k, 5% . . . . .   | 3198 021 53330 | 3636 | 100 ohm, 5% . . . . .                      | 3198 021 51010 |
| 3411 | 10 ohm, 5% Fusible Resistor NFR25. . . . .                    | 2306 204 03109 | 3681 | 390 ohm, 5% . . . . .                      | 3198 021 53910 |
| 3412 | 3.3k, 1%, Metal Film . . . . .                                | 2322 156 23302 | 3682 | 3.3k, 5% . . . . .                         | 3198 021 53320 |
| 3413 | 10k, 5% . . . . .   | 3198 021 51030 | 3683 | 390 ohm, 5% . . . . .                      | 3198 021 53910 |
| 3414 | 1.5k, 1%, Metal Film . . . . .                                | 2322 156 21502 | 3684 | 560 ohm, 5% . . . . .                      | 3198 021 55610 |
| 3415 | 1k, 5%, 1/6W Carbon. . . . .                                  | 3198 011 01020 | 3685 | 560 ohm, 5% . . . . .                      | 3198 021 55610 |
| 3416 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                  | 2306 204 03689 | 3686 | 1.5k, 5% . . . . .                         | 3198 021 51520 |
| 3417 | 33k, 5%, 1/6W Carbon . . . . .                                | 3198 011 03330 | 3691 | 330 ohm, 5% . . . . .                      | 3198 021 53310 |
| 3418 | 33k, 5% . . . . .   | 3198 021 53330 | 3693 | 220 ohm, 5% . . . . .                      | 3198 021 52210 |
| 3419 | 6.8k, 5% . . . . .  | 3198 021 56820 | 3694 | 4.7k, 5% . . . . .                         | 3198 021 54720 |
| 3420 | 33k, 5% . . . . .   | 3198 021 53330 | 3901 | 1k, 5% . . . . .                           | 3198 021 51020 |
| 3421 | 6.8 ohm, 5%, 2W, Power Resistor. . . . .                      | 3198 012 26880 | 3902 | 3.3k, 5% . . . . .                         | 3198 021 53320 |
| 3422 | 100 ohm, 5% . . . . .   | 3198 021 51010 | 3903 | 8.2k, 5% . . . . .                         | 3198 021 58220 |
| 3423 | 820 ohm, 5% . . . . .   | 3198 021 58210 | 3904 | 10k, 5% . . . . .                          | 3198 021 51030 |
| 3424 | 100 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 01010 | 3907 | 5.6k, 5% . . . . .                         | 3198 021 55620 |
| 3425 | 12k, 5%, 1/6W Carbon . . . . .                                | 3198 011 01230 | 3941 | 100 ohm, 5% . . . . .                      | 3198 021 51010 |
| 3426 | 1M, 5% . . . . .  | 3198 021 51050 | 3942 | 3.9k, 5% . . . . .                         | 3198 021 53920 |
| 3427 | 12k, 5%, 1/6W Carbon . . . . .                                | 3198 011 01230 | 3943 | 2.7k, 5% . . . . .                         | 3198 021 52720 |
| 3428 | 39 ohm, 5% Fusible Resistor NFR25H . . . . .                  | 2306 207 03399 | 3944 | 2.7k, 5% . . . . .                         | 3198 021 52720 |
| 3431 | 2.2k, 5% . . . . .  | 3198 021 52220 | 3945 | 1k, 5% . . . . .                           | 3198 021 51020 |
| 3432 | 22 ohm, 5%, 1/6W Carbon. . . . .                              | 3198 011 02290 | 3946 | 18k, 5% . . . . .                          | 3198 021 51830 |
| 3471 | 3.9 ohm, 1%, Metal Film. . . . .                              | 2322 156 23908 | 3947 | 330 ohm, 5% . . . . .                      | 3198 021 53310 |
| 3472 | 3.9 ohm, 1%, Metal Film. . . . .                              | 2322 156 23908 | 3948 | 47k, 5% . . . . .                          | 3198 021 54730 |
| 3473 | 2.2k, 1%, Metal Film . . . . .                                | 2322 156 22202 | 3949 | 15k, 5% . . . . .                          | 3198 021 51530 |
| 3474 | 1k, 5%, 1/6W Carbon. . . . .                                  | 3198 011 01020 | 3950 | 560 ohm, 5% . . . . .                      | 3198 021 55610 |
| 3475 | 2.2k, 1%, Metal Film . . . . .                                | 2322 156 22202 | 3951 | 390 ohm, 5% . . . . .                      | 3198 021 53910 |
| 3476 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                  | 2306 204 03158 | 3981 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3477 | 220 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 02210 | 3982 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3478 | 220 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 02210 | 4001 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3479 | 1k, 5%, 1/6W Carbon. . . . .                                  | 3198 011 01020 | 4002 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3500 | 3.3Meg, 5% . . . . .  | 2322 242 13335 | 4181 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3501 | 3.3Meg, 5% . . . . .  | 2322 242 13335 | 4212 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3502 | 4.7 ohm, 20%, 3.1W, Negative Temperature Coefficient. . . . . | 2122 612 00055 | 4216 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3503 | 10 ohm, 30%, 120V, Positive Temperature Coefficient. . . . .  | 2120 661 00026 | 4217 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3506 | Jumper Wire. . . . .  | 0322 179 00003 | 4410 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3507 | Surge Protector DSP-301N-A21F. . . . .                        | 2422 549 43073 | 4501 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3508 | 1.5Meg, 5% . . . . .  | 2322 242 13155 | 4601 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3519 | 270 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 02710 | 4613 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3520 | 1.2k, 5% . . . . .  | 3198 021 51220 | 4614 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3521 | 4.7 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 04780 | 4615 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3522 | 330k, 5% . . . . .  | 3198 021 53340 | 4616 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3523 | 100 ohm, 5%, Fusible Resistor NFR25 . . . . .                 | 2306 204 03101 | 4617 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3524 | 56k, 5% . . . . .   | 3198 021 55630 | 4618 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3525 | 1k, 5% . . . . .  | 3198 021 51020 | 4619 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3526 | 0.15 ohm, 5%, 1W, Power Resistor . . . . .                    | 3198 012 11570 | 4622 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3527 | 2.2k ohm, 5%, Fusible Resistor NFR25 . . . . .                | 2306 204 03222 | 4623 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3528 | 10k, 5% . . . . .   | 3198 021 51030 | 4691 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3529 | 47k, 5% . . . . .   | 3198 021 54730 | 4692 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3530 | 4.7k, 5% . . . . .  | 3198 021 54720 | 4693 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |   |                | 4807 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |   |                | 4811 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |

S = Safety Part Be sure to use exact replacement part.

## 20LL200125 (continued)

|      |  |      |     |       |      |  |      |     |       |
|------|--|------|-----|-------|------|--|------|-----|-------|
| 4812 | Zero ohm "Chip" Jumper . . . . .                 | 3198 | 021 | 90020 | 7333 | Transistor BF423 . . . . .               | 3198 | 020 | 43020 |
| 4813 | Zero ohm "Chip" Jumper . . . . .                 | 3198 | 021 | 90020 | 7401 | Transistor PDTCl43ZT. . . . .            | 9340 | 547 | 00215 |
| 4814 | Zero ohm "Chip" Jumper . . . . .                 | 3198 | 021 | 90020 | 7402 | Power Transistor BUT11APX-1200 . . . . . | 9340 | 563 | 21127 |
| 4901 | Zero ohm "Chip" Jumper . . . . .                 | 3198 | 021 | 90020 | 7403 | Transistor BC337-25. . . . .             | 3198 | 020 | 43530 |
| 4911 | Zero ohm "Chip" Jumper . . . . .                 | 3198 | 021 | 90020 | 7404 | Transistor BC636 . . . . .               | 9332 | 219 | 50126 |
| 4982 | Zero ohm "Chip" Jumper . . . . .                 | 3198 | 021 | 90020 | 7405 | Transistor BC857B . . . . .              | 3198 | 010 | 42150 |
| 5001 | Fixed Inductor, 5.6uH, 10%. . . . .              | 3198 | 018 | 25680 | 7406 | Transistor BC857B . . . . .              | 3198 | 010 | 42150 |
| 5002 | Fixed Inductor, 0.82uH, 10%. . . . .             | 3198 | 018 | 18270 | 7407 | Power Transistor BD135-16. . . . .       | 3198 | 020 | 41190 |
| 5201 | Fixed Inductor, 6.8uH, 5%. . . . .               | 3198 | 018 | 16880 | 7408 | Power Transistor BD135-17. . . . .       | 3198 | 020 | 41190 |
| 5202 | Fixed Inductor, 10uH, 10%. . . . .               | 3198 | 018 | 21090 | 7409 | Transistor BC857B . . . . .              | 3198 | 010 | 42150 |
| 5241 | Fixed Inductor, 10uH, 10%. . . . .               | 3198 | 018 | 21090 | 7471 | IC, TDA9302H . . . . .                   | 9322 | 088 | 25682 |
| 5242 | Fixed Inductor, 10uH, 5%. . . . .                | 3198 | 018 | 11090 | 7515 | Opto-Coupler, TCET1103(G). . . . .       | 9322 | 140 | 14667 |
| 5341 | Fixed Inductor, 12uH, 5% SPT0508 . . . . .       | 2422 | 535 | 95598 | 7520 | IC, TEA1507P/N1. . . . .                 | 9352 | 673 | 56112 |
| 5342 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 | 018 | 90010 | 7521 | Power FET, STP5NC50FP. . . . .           | 9322 | 160 | 71687 |
| 5403 | Fixed Inductor, 33uH, 10% LHL08 . . . . .        | 2422 | 535 | 94643 | 7522 | Transistor BC847B . . . . .              | 3198 | 010 | 42030 |
| 5408 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 | 535 | 95366 | 7540 | Transistor BC547B. . . . .               | 3198 | 020 | 40030 |
| 5410 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 | 535 | 95366 | 7541 | Transistor PDTCl14ET. . . . .            | 9340 | 310 | 10215 |
| 5444 | Signal Driver Transformer SC10009-03. . . . .    | 2422 | 531 | 02446 | 7542 | Transistor BC857B . . . . .              | 3198 | 010 | 42150 |
| 5445 | LOT Transformer MSL0T4 . . . . .                 | 3128 | 138 | 21541 | 7560 | IC, L78L33ACZ. . . . .                   | 9322 | 134 | 92676 |
| 5502 | AC Filter. . . . .                               | 2422 | 549 | 44284 | 7561 | Transistor PDTCl43ZT. . . . .            | 9340 | 547 | 00215 |
| 5520 | Transformer SS28011-04. . . . .                  | 2422 | 531 | 02458 | 7580 | Transistor BC857B . . . . .              | 3198 | 010 | 42150 |
| 5520 | Transformer SS28032-01A . . . . .                | 2422 | 531 | 02458 | 7602 | IC M24C16-WBN6 . . . . .                 | 9322 | 147 | 25682 |
| 5521 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 | 018 | 90010 | 7902 | IC, AN7523N. . . . .                     | 9322 | 158 | 66667 |
| 5560 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 | 018 | 90010 | 7941 | Transistor BC847B . . . . .              | 3198 | 010 | 42030 |
| 5561 | Fixed Inductor, 27uH, 10%. . . . .               | 3198 | 018 | 22790 | 7942 | Transistor BC847B . . . . .              | 3198 | 010 | 42030 |
| 5562 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 | 018 | 90010 | 7943 | Transistor BC847B . . . . .              | 3198 | 010 | 42030 |
| 5563 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 | 018 | 90010 | 9181 | Jumper Wire. . . . .                     | 0322 | 179 | 00003 |
| 5602 | Fixed Inductor, 5.6uH, 5%. . . . .               | 3198 | 018 | 15680 | 9692 | Jumper Wire. . . . .                     | 0322 | 179 | 00003 |
| 5603 | Fixed Inductor, 5.6uH, 5%. . . . .               | 3198 | 018 | 15680 | 9696 | Jumper Wire. . . . .                     | 0322 | 179 | 00003 |
| 5604 | Fixed Inductor, 5.6uH, 5%. . . . .               | 3198 | 018 | 15680 | 9814 | Jumper Wire. . . . .                     | 0322 | 179 | 00003 |
| 5833 | Jumper Wire. . . . .                             | 0322 | 179 | 00003 | 9820 | Jumper Wire. . . . .                     | 0322 | 179 | 00003 |
| 6001 | Diode Regulator, BZX79-C33 (33Volt). . . . .     | 3198 | 010 | 23390 | 9821 | Jumper Wire. . . . .                     | 0322 | 179 | 00003 |
| 6201 | Diode, BAV21 . . . . .                           | 3198 | 010 | 10630 | 9822 | Jumper Wire. . . . .                     | 0322 | 179 | 00003 |
| 6202 | Diode, BAS316 . . . . .                          | 3198 | 010 | 10630 | 9824 | Jumper Wire. . . . .                     | 0322 | 179 | 00003 |
| 6206 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 | 020 | 56880 | 9825 | Jumper Wire. . . . .                     | 0322 | 179 | 00003 |
| 6241 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 | 020 | 56880 | 9826 | Jumper Wire. . . . .                     | 0322 | 179 | 00003 |
| 6311 | Diode, BAV21 . . . . .                           | 3198 | 010 | 10070 | 9827 | Jumper Wire. . . . .                     | 0322 | 179 | 00003 |
| 6321 | Diode, BAV21 . . . . .                           | 3198 | 010 | 10070 | 9828 | Jumper Wire. . . . .                     | 0322 | 179 | 00003 |
| 6331 | Diode, BAV21 . . . . .                           | 3198 | 010 | 10070 | 9829 | Jumper Wire. . . . .                     | 0322 | 179 | 00003 |
| 6341 | Diode, BAV21 . . . . .                           | 3198 | 010 | 10070 | 9830 | Jumper Wire. . . . .                     | 0322 | 179 | 00003 |
| 6342 | Diode, 1N4148. . . . .                           | 3198 | 010 | 10010 | 9832 | Jumper Wire. . . . .                     | 0322 | 179 | 00003 |
| 6343 | Diode Regulator, BZX384-C8V2 (8.2Volt) . . . . . | 3198 | 020 | 58280 | 9833 | Jumper Wire. . . . .                     | 0322 | 179 | 00003 |
| 6401 | Diode, BAV21 . . . . .                           | 3198 | 010 | 10070 | 9982 | Jumper Wire. . . . .                     | 0322 | 179 | 00003 |
| 6402 | Diode Rectifier, BYV27-200 . . . . .             | 9322 | 126 | 72673 | CBA  | Main Chassis . . . . .                   | 3139 | 178 | 86291 |
| 6404 | Diode Rectifier, BYD33D. . . . .                 | 9337 | 410 | 30133 |      |  |      |     |       |
| 6405 | Diode Rectifier, BYD33D. . . . .                 | 9337 | 234 | 00133 |      |  |      |     |       |
| 6406 | Diode, BAV70. . . . .                            | 9331 | 849 | 10215 |      |  |      |     |       |
| 6407 | Diode, BAS316 . . . . .                          | 3198 | 010 | 10630 |      |  |      |     |       |
| 6408 | Diode, BAS316 . . . . .                          | 3198 | 010 | 10630 |      |  |      |     |       |
| 6409 | Diode Rectifier, BYD33D. . . . .                 | 9337 | 234 | 00133 |      |  |      |     |       |
| 6410 | Diode Rectifier, BYD33D. . . . .                 | 9337 | 234 | 00133 |      |  |      |     |       |
| 6413 | Diode, 1N4148. . . . .                           | 3198 | 010 | 10010 |      |  |      |     |       |
| 6414 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 | 668 | 30133 |      |  |      |     |       |
| 6415 | Diode, BAS316 . . . . .                          | 3198 | 010 | 10630 |      |  |      |     |       |
| 6419 | Diode Regulator, BZX79-C5V6 (5.6Volt). . . . .   | 3198 | 010 | 25680 |      |  |      |     |       |
| 6420 | Diode Regulator, BZX79-C9V1 (9.1Volt). . . . .   | 9331 | 177 | 80133 |      |  |      |     |       |
| 6423 | Diode Rectifier, BYD33D. . . . .                 | 9337 | 234 | 00133 |      |  |      |     |       |
| 6471 | Diode Rectifier, BYD33D. . . . .                 | 9337 | 234 | 00133 |      |  |      |     |       |
| 6500 | Diode Rectifier, 1N5062. . . . .                 | 3198 | 010 | 10120 |      |  |      |     |       |
| 6501 | Diode Rectifier, 1N5062. . . . .                 | 3198 | 010 | 10120 |      |  |      |     |       |
| 6502 | Diode Rectifier, 1N5062. . . . .                 | 3198 | 010 | 10120 |      |  |      |     |       |
| 6503 | Diode Rectifier, 1N5062. . . . .                 | 3198 | 010 | 10120 |      |  |      |     |       |
| 6520 | Diode Rectifier, BYD33D. . . . .                 | 9337 | 234 | 00133 |      |  |      |     |       |
| 6523 | Diode, 1N4148. . . . .                           | 3198 | 010 | 10010 |      |  |      |     |       |
| 6540 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 | 668 | 30133 |      |  |      |     |       |
| 6541 | Diode Regulator, BZX79-C10 (10Volt). . . . .     | 3198 | 010 | 21090 |      |  |      |     |       |
| 6560 | Diode Rectifier, BYW76-RAS15/10. . . . .         | 9322 | 127 | 32682 |      |  |      |     |       |
| 6561 | Diode Rectifier, BYW76-RAS15/10. . . . .         | 9322 | 127 | 32682 |      |  |      |     |       |
| 6562 | Diode Rectifier, EGP20DL-5100. . . . .           | 9322 | 164 | 42682 |      |  |      |     |       |
| 6563 | Diode, BAS316 . . . . .                          | 3198 | 010 | 10630 |      |  |      |     |       |
| 6565 | Diode, BAV70. . . . .                            | 9331 | 849 | 10215 |      |  |      |     |       |
| 6566 | Diode, BAS316 . . . . .                          | 3198 | 010 | 10630 |      |  |      |     |       |
| 6569 | Diode, BAS316 . . . . .                          | 3198 | 010 | 10630 |      |  |      |     |       |
| 6570 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 | 020 | 56880 |      |  |      |     |       |
| 6580 | Diode, BAS316 . . . . .                          | 3198 | 010 | 10630 |      |  |      |     |       |
| 6581 | Diode, BAS316 . . . . .                          | 3198 | 010 | 10630 |      |  |      |     |       |
| 6681 | Diode, BAT85 . . . . .                           | 9336 | 247 | 60133 |      |  |      |     |       |
| 6691 | LED, VS LTL-10224WHCR. . . . .                   | 9322 | 050 | 99682 |      |  |      |     |       |
| 6692 | IR Receiver, TSOP1836UH3V. . . . .               | 9322 | 127 | 54667 |      |  |      |     |       |
| 6901 | Diode, BAS316 . . . . .                          | 3198 | 010 | 10630 |      |  |      |     |       |
| 7200 | IC, 2US1 Software Cluster. . . . .               | 9352 | 699 | 88557 |      |  |      |     |       |
| 7201 | Transistor BC847B . . . . .                      | 3198 | 010 | 42030 |      |  |      |     |       |
| 7204 | Transistor BC857B . . . . .                      | 3198 | 010 | 42150 |      |  |      |     |       |
| 7241 | Transistor PDTA114ET. . . . .                    | 3198 | 010 | 44010 |      |  |      |     |       |
| 7311 | Transistor BF422 . . . . .                       | 3198 | 020 | 43010 |      |  |      |     |       |
| 7312 | Transistor BF422 . . . . .                       | 3198 | 020 | 43010 |      |  |      |     |       |
| 7313 | Transistor BF423 . . . . .                       | 3198 | 020 | 43020 |      |  |      |     |       |
| 7321 | Transistor BF422 . . . . .                       | 3198 | 020 | 43010 |      |  |      |     |       |
| 7322 | Transistor BF422 . . . . .                       | 3198 | 020 | 43010 |      |  |      |     |       |
| 7323 | Transistor BF423 . . . . .                       | 3198 | 020 | 43020 |      |  |      |     |       |
| 7331 | Transistor BF422 . . . . .                       | 3198 | 020 | 43010 |      |  |      |     |       |
| 7332 | Transistor BF422 . . . . .                       | 3198 | 020 | 43010 |      |  |      |     |       |

S = Safety Part Be sure to use exact replacement part.

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|  |      |     |       |        |                                    |   |      |       |       |
|--|------|-----|-------|--------|------------------------------------|---|------|-------|-------|
| Main Chassis                                 |      |     |       |        | 2331                               | Cap, 390p, 5%, 50v, Ceramic                   | 3198 | 016   | 03910 |
| 0139 IC-SPRING 7402                          |      |     |       |        | 2341                               | Cap, 2n2, 10%, 1000v, Ceramic                 | 2020 | 558   | 90571 |
| 0040 3 Pin Cinch Cover                       |      |     |       |        | 2342                               | Cap, 47n, 10%, 250v, Metalized Polyeste       | 2222 | 365   | 45473 |
| 0122 Heatsink                                |      |     |       |        | 2343                               | Cap, 47n, 10%, 250v, Metalized Polyeste       | 2222 | 365   | 45473 |
| 0123 Audio Heatsink                          |      |     |       |        | 2401                               | Cap, 680p, 10%, 50v, Ceramic                  | 3198 | 019   | 16810 |
| 0124 Heatsink                                |      |     |       |        | 2402                               | Cap, 820n, 5%, 250v, Metalized Polypropylene  | 2222 | 479   | 90029 |
| 0127 Socket Fuse                             |      |     |       |        | 2406                               | Cap, 330p, 5%, 50v, Ceramic                   | 3198 | 016   | 03310 |
| 0136 IC-Spring                               |      |     |       |        | 2407                               | Cap, 10n, 5%, 1600v, Polypropylene            | 2020 | 301   | 90249 |
| 0137 Spring                                  |      |     |       |        | 2408                               | Cap, 22n, +80/-20%, 50v, Ceramic              | 3198 | 019   | 22230 |
| 0138 IC-Spring                               |      |     |       |        | 2409                               | Cap, 47u, 20%, 160v, Electrolytic             | 2020 | 021   | 91139 |
| 0139 Spring for Bracket                      |      |     |       |        | 2410                               | Cap, 470u, 20%, 16v, Electrolytic             | 2020 | 021   | 91577 |
| 0152 Cable, 6 Pin 400mm                      |      |     |       |        | 2411                               | Cap, 47u, 20%, 25v, Electrolytic              | 2020 | 021   | 90586 |
| 0153 Cable, 3 Pin 400mm                      |      |     |       |        | 2412                               | Cap, 33n, 10%, 100v, Polyester                | 2222 | 347   | 90236 |
| 0211 Connector, 2 Pin                        |      |     |       |        | 2413                               | Cap, 10u, 20%, 250v, Electrolytic             | 2020 | 012   | 93495 |
| 0212 Connector, 2 Pin                        |      |     |       |        | 2414                               | Cap, 1000u, 20%, 16v, Electrolytic            | 2020 | 021   | 91040 |
| 0217 Connector, 3 Pin                        |      |     |       |        | 2416                               | Cap, 820p, 10%, 2000v, Ceramic                | 2020 | 558   | 90486 |
| 0218 Socket, Cinch 3 Pin                     |      |     |       |        | 2417                               | Cap, 1000u, 20%, 16v, Electrolytic            | 2020 | 021   | 91049 |
| 0220 Connector, 3 Pin                        |      |     |       |        | 2418                               | Cap, 10n, 10%, 50v, Ceramic                   | 3198 | 017   | 01030 |
| 0221 Connector, 4 Pin                        |      |     |       |        | 2419                               | Cap, 1u, 20%, 50v, Electrolytic               | 2020 | 021   | 91147 |
| 0222 Connector, 2 Pin                        |      |     |       |        | 2420                               | Cap, 1u, 20%, 50v, Electrolytic               | 3198 | 025   | 51080 |
| 0223 Socket, Cinch, 6 Pin                    |      |     |       |        | 2421                               | Cap, 47n, +80/-20%, 50v, Ceramic              | 3198 | 017   | 24730 |
| 0225 Socket, MDIN, 10 Pin                    |      |     |       |        | 2422                               | Cap, 470u, 20%, 16v, Electrolytic             | 2020 | 021   | 91577 |
| 0232 Socket, Phone, 1 Pin                    |      |     |       |        | 2423                               | Cap, 10u, 20%, 100v, Electrolytic             | 2020 | 021   | 90813 |
| 0243 Connector, 6 Pin                        |      |     |       |        | 2471                               | Cap, 100n, 10%, 50v, Polyester                | 3198 | 014   | 01040 |
| 0244 Connector, 3 Pin                        |      |     |       |        | 2472                               | Cap, 100n, 10%, 50v, Polyester                | 3198 | 014   | 01040 |
| 0245 Connector, 6 Pin                        |      |     |       |        | 2473                               | Cap, 100u, 20%, 50v, Electrolytic             | 2020 | 021   | 90587 |
| 0246 Connector, 5 Pin                        |      |     |       |        | 2475                               | Cap, 470p, 5%, 50v, Ceramic                   | 3198 | 016   | 04710 |
| 0254 Socket, CRT, 9 Pin, M-Neck              |      |     |       |        | 2476                               | Cap, 220n, 10%, 50v, Polyester                | 3198 | 014   | 02240 |
| 1000 Tuner, V+U, PLL                         |      |     |       |        | 2477                               | Cap, 470p, 5%, 50v, Ceramic                   | 3198 | 016   | 04710 |
| 1002 S.A.W. Filter 45MHZ75                   |      |     |       |        | 2500                               | Cap, 470n, 20%, 275v, Metalized Polypropylene | 2022 | 330   | 00018 |
| 1200 Filter, Ceramic, 4MHz5                  |      |     |       |        | 2501                               | Cap, 2n2, 10%, 1000v, Ceramic                 | 3198 | 019   | 52220 |
| S 1500 Fuse, 4A, 250V, IEC                   |      |     |       | 2502   | Cap, 2n2, 10%, 1000v, Ceramic      | 3198  | 019  | 52220 |       |
| S 1515 Relay, 12V, 5A G5PA-1                 |      |     |       | 2503   | Cap, 220u, 20%, 200v, Electrolytic | 2020  | 024  | 90585 |       |
| 1600 Switch, Tactile                         |      |     |       | 2506   | Cap, 2n2, 10%, 1000v, Ceramic      | 3198  | 019  | 52220 |       |
| 1601 Switch, Tactile                         |      |     |       | 2508   | Cap, 470p, 10%, 1000v, Ceramic     | 3198  | 019  | 64710 |       |
| 1602 Switch, Tactile                         |      |     |       | S 2515 | Cap, 1n5, 20%, v, Ceramic          | 2020  | 554  | 90128 |       |
| 1603 Switch, Tactile                         |      |     |       | 2520   | Cap, 100n, 10%, 16v, Ceramic       | 3198  | 017  | 01040 |       |
| 1606 Switch, Tactile                         |      |     |       | 2521   | Cap, 22u, 20%, 50v, Electrolytic   | 3198  | 025  | 52290 |       |
| 1660 Crystal, 12MHz000                       |      |     |       | 2522   | Cap, 100n, 10%, 16v, Ceramic       | 3198  | 017  | 01040 |       |
| 1831 Resonator, Crystal, 18MHZ432 12 Pin     |      |     |       | 2523   | Cap, 1n5, 10%, 2000v, Ceramic      | 2020  | 558  | 90489 |       |
| 2004 Cap, 47n, 10%, 25v, Ceramic             |      |     |       | 2525   | Cap, 470p, 10%, 50v, Ceramic       | 3198  | 017  | 04710 |       |
| 2005 Cap, 10u, 20%, 50v, Electrolytic        |      |     |       | 2526   | Cap, 1n, 10%, 50v, Ceramic         | 3198  | 017  | 01020 |       |
| 2006 Cap, 470u, 20%, 16v, Electrolytic       |      |     |       | 2527   | Cap, 470p, 10%, 50v, Ceramic       | 3198  | 017  | 04710 |       |
| 2007 Cap, 100n, +80/-20%, 25v, Ceramic       |      |     |       | 2540   | Cap, 15n, 10%, 50v, Ceramic        | 3198  | 017  | 01530 |       |
| 2008 Cap, 100u, 20%, 25v, Electrolytic       |      |     |       | 2560   | Cap, 1n, 10%, 1000v, Ceramic       | 3198  | 019  | 61020 |       |
| 2009 Cap, 22n, 10%, 50v, Ceramic             |      |     |       | 2561   | Cap, 47u, 20%, 160v, Electrolytic  | 2020  | 021  | 91358 |       |
| 2101 Cap, 470n, +80/-20%, 16v, Ceramic       |      |     |       | 2562   | Cap, 1n, 10%, 50v, Ceramic         | 3198  | 019  | 11020 |       |
| 2102 Cap, 22p, 5%, 50v, Ceramic              |      |     |       | 2563   | Cap, 100n, 10%, 50v, Polyester     | 3198  | 014  | 01040 |       |
| 2103 Cap, 330p, 5%, 50v, Ceramic             |      |     |       | 2564   | Cap, 2u2, 20%, 16v, Electrolytic   | 2020  | 012  | 93057 |       |
| 2104 Cap, 330p, 5%, 50v, Ceramic             |      |     |       | 2565   | Cap, 470p, 10%, 1000v, Ceramic     | 3198  | 019  | 64710 |       |
| 2105 Cap, 10u, 20%, 50v, Electrolytic        |      |     |       | 2566   | Cap, 47u, 20%, 25v, Electrolytic   | 3198  | 025  | 34790 |       |
| 2106 Cap, 10u, 20%, 50v, Electrolytic        |      |     |       | 2567   | Cap, 47u, 20%, 25v, Electrolytic   | 3198  | 025  | 34790 |       |
| 2122 Cap, 330p, 5%, 50v, Ceramic             |      |     |       | 2568   | Cap, 1u, 20%, 50v, Electrolytic    | 3198  | 025  | 51080 |       |
| 2123 Cap, 2u2, +80/-20%, 10v, Ceramic        |      |     |       | 2569   | Cap, 470p, 10%, 50v, Ceramic       | 3198  | 017  | 04710 |       |
| 2124 Cap, 330p, 5%, 50v, Ceramic             |      |     |       | 2580   | Cap, 47u, 20%, 25v, Electrolytic   | 3198  | 025  | 34790 |       |
| 2125 Cap, 2u2, +80/-20%, 10v, Ceramic        |      |     |       | 2601   | Cap, 220n, +80/-20%, 25v, Ceramic  | 3198  | 023  | 22240 |       |
| 2135 Cap, 22p, 5%, 50v, Ceramic              |      |     |       | 2602   | Cap, 100p, 5%, 50v, Ceramic        | 3198  | 016  | 01010 |       |
| 2136 Cap, 22p, 5%, 50v, Ceramic              |      |     |       | 2606   | Cap, 1n, 5%, 50v, Ceramic          | 3198  | 016  | 01020 |       |
| 2141 Cap, 330p, 5%, 50v, Ceramic             |      |     |       | 2607   | Cap, 33p, 5%, 50v, Ceramic         | 3198  | 016  | 03390 |       |
| 2181 Cap, 22p, 5%, 50v, Ceramic              |      |     |       | 2608   | Cap, 1u, +80/-20%, 16v, Ceramic    | 3198  | 017  | 21050 |       |
| 2182 Cap, 330p, 5%, 50v, Ceramic             |      |     |       | 2609   | Cap, 33p, 5%, 50v, Ceramic         | 3198  | 016  | 03390 |       |
| 2183 Cap, 330p, 5%, 50v, Ceramic             |      |     |       | 2611   | Cap, 1u, +80/-20%, 16v, Ceramic    | 3198  | 017  | 21050 |       |
| 2184 Cap, 2u2, +80/-20%, 10v, Ceramic        |      |     |       | 2612   | Cap, 68p, 5%, 50v, Ceramic         | 3198  | 016  | 06890 |       |
| 2202 Cap, 100n, +80/-20%, 25v, Ceramic       |      |     |       | 2613   | Cap, 68p, 5%, 50v, Ceramic         | 3198  | 016  | 06890 |       |
| 2203 Cap, 100n, +80/-20%, 25v, Ceramic       |      |     |       | 2615   | Cap, 1n, 5%, 50v, Ceramic          | 3198  | 016  | 01020 |       |
| 2204 Cap, 100n, +80/-20%, 25v, Ceramic       |      |     |       | 2618   | Cap, 1u, +80/-20%, 16v, Ceramic    | 3198  | 017  | 21050 |       |
| 2205 Cap, 220n, +80/-20%, 25v, Ceramic       |      |     |       | 2619   | Cap, 1u, +80/-20%, 16v, Ceramic    | 3198  | 017  | 21050 |       |
| 2208 Cap, 100n, +80/-20%, 25v, Ceramic       |      |     |       | 2691   | Cap, 100u, 20%, 25v, Electrolytic  | 3198  | 025  | 31010 |       |
| 2209 Cap, 4u7, 20%, 50v, Electrolytic        |      |     |       | 2801   | Cap, 22u, 20%, 50v, Electrolytic   | 3198  | 025  | 52290 |       |
| 2210 Cap, 470n, 20%, 50v, Electrolytic       |      |     |       | 2802   | Cap, 220n, +80/-20%, 25v, Ceramic  | 3198  | 023  | 22240 |       |
| 2211 Cap, 470n, +80/-20%, 16v, Ceramic       |      |     |       | 2803   | Cap, 2u2, +80/-20%, 10v, Ceramic   | 3198  | 017  | 22250 |       |
| 2216 Cap, 470u, 20%, 16v, Electrolytic       |      |     |       | 2804   | Cap, 4u7, +80/-20%, 10v, Ceramic   | 2020  | 552  | 96305 |       |
| 2217 Cap, 22n, 10%, 50v, Ceramic             |      |     |       | 2805   | Cap, 4u7, +80/-20%, 10v, Ceramic   | 2020  | 552  | 96305 |       |
| 2219 Cap, 220n, +80/-20%, 25v, Ceramic       |      |     |       | 2831   | Cap, 1p, 25%, 50v, Ceramic         | 3198  | 016  | 01080 |       |
| 2220 Cap, 470n, 10%, 50v, Polyester          |      |     |       | 2832   | Cap, 1p, 25%, 50v, Ceramic         | 3198  | 016  | 01080 |       |
| 2221 Cap, 22n, +80/-20%, 50v, Ceramic        |      |     |       | 2833   | Cap, 47p, 5%, 50v, Ceramic         | 3198  | 016  | 04790 |       |
| 2233 Cap, 820p, 5%, 50v, Ceramic             |      |     |       | 2834   | Cap, 470p, 5%, 50v, Ceramic        | 3198  | 016  | 04710 |       |
| 2241 Cap, 1n5, 10%, 50v, Ceramic             |      |     |       | 2835   | Cap, 220p, 5%, 50v, Ceramic        | 3198  | 016  | 02210 |       |
| 2242 Cap, 1u, +80/-20%, 16v, Ceramic         |      |     |       | 2836   | Cap, 1n5, 10%, 50v, Ceramic        | 3198  | 017  | 01520 |       |
| 2243 Cap, 2n2, 10%, 50v, Ceramic             |      |     |       | 2837   | Cap, 4u7, 20%, 50v, Electrolytic   | 3198  | 025  | 54780 |       |
| 2244 Cap, 100n, 10%, 63v, Metalized Polyeste | 2222 | 370 | 75104 | 2838   | Cap, 47p, 5%, 50v, Ceramic         | 3198  | 016  | 04790 |       |
| 2245 Cap, 220n, +80/-20%, 25v, Ceramic       |      |     |       | 2839   | Cap, 47p, 5%, 50v, Ceramic         | 3198  | 016  | 04790 |       |
| 2247 Cap, 470u, 20%, 16v, Electrolytic       |      |     |       | 2840   | Cap, 100n, +80/-20%, 25v, Ceramic  | 3198  | 023  | 21040 |       |
| 2248 Cap, 22n, 10%, 50v, Ceramic             |      |     |       | 2841   | Cap, 10u, 20%, 50v, Electrolytic   | 3198  | 025  | 51090 |       |
| 2249 Cap, 22n, 10%, 50v, Ceramic             |      |     |       | 2842   | Cap, 100n, +80/-20%, 25v, Ceramic  | 3198  | 023  | 21040 |       |
| 2250 Cap, 2u2, 20%, 50v, Electrolytic        |      |     |       | 2843   | Cap, 10u, 20%, 50v, Electrolytic   | 3198  | 025  | 51090 |       |
| 2252 Cap, 1n, 5%, 50v, Ceramic               |      |     |       | 2844   | Cap, 10u, 20%, 50v, Electrolytic   | 3198  | 025  | 51090 |       |
| 2253 Cap, 1n, 5%, 50v, Ceramic               |      |     |       | 2845   | Cap, 100n, +80/-20%, 25v, Ceramic  | 3198  | 023  | 21040 |       |
| 2254 Cap, 100p, 5%, 50v, Ceramic             |      |     |       | 2846   | Cap, 100u, 20%, 25v, Electrolytic  | 3198  | 025  | 31010 |       |
| 2313 Cap, 220p, 5%, 50v, Ceramic             |      |     |       | 2849   | Cap, 1n, 5%, 50v, Ceramic          | 3198  | 016  | 01020 |       |
| 2323 Cap, 390p, 5%, 50v, Ceramic             |      |     |       |        |                                    |   |      |       |       |

S = Safety Part      Be sure to use exact replacement part.



# 20LW202222 (continued)

|      |   |                |        |   |                |
|------|---|----------------|--------|---|----------------|
| 2850 | Cap, 1n, 5%, 50v, Ceramic. . . . .      | 3198 016 01020 | 3322   | Res, 330 ohm, 5%, 1/10W, Metalized Glas | 3198 021 53310 |
| 2851 | Cap, 4u7, +80/-20%, 10v, Ceramic . . .  | 2020 552 96305 | 3323   | Res, 10 ohm, 5%, 1/10W, Metalized Glass | 3198 021 51090 |
| 2852 | Cap, 1n, 5%, 50v, Ceramic. . . . .      | 3198 016 01020 | 3324   | Res, 18K, 5%, 2 1/2W, Metal Film . . .  | 2322 195 63183 |
| 2853 | Cap, 4u7, +80/-20%, 10v, Ceramic . . .  | 2020 552 96305 | 3326   | Res, 68 ohm, 5%, 1/3W, Metal Film. . .  | 2306 204 03689 |
| 2854 | Cap, 1n, 5%, 50v, Ceramic. . . . .      | 3198 016 01020 | 3327   | Res, 1K5, 20%, 1/2W, Carbon Film . . .  | 3198 013 01520 |
| 2855 | Cap, 33p, 5%, 50v, Ceramic . . . . .    | 3198 019 03390 | 3331   | Res, 1K5, 5%, 1/10W, Metalized Glass .  | 3198 021 51520 |
| 2856 | Cap, 47p, 5%, 50v, Ceramic . . . . .    | 3198 016 04790 | 3332   | Res, 330 ohm, 5%, 1/10W, Metalized Glas | 3198 021 53310 |
| 2857 | Cap, 150p, 5%, 50v, Ceramic. . . . .    | 3198 016 01510 | 3333   | Res, 10 ohm, 5%, 1/10W, Metalized Glass | 3198 021 51090 |
| 2860 | Cap, 180p, 5%, 50v, Ceramic. . . . .    | 3198 016 01810 | 3334   | Res, 18K, 5%, 2 1/2W, Metal Film . . .  | 2322 195 63183 |
| 2894 | Cap, 220p, 5%, 50v, Ceramic. . . . .    | 3198 016 02210 | 3336   | Res, 68 ohm, 5%, 1/3W, Metal Film. . .  | 2306 204 03689 |
| 2895 | Cap, 560p, 5%, 50v, Ceramic. . . . .    | 3198 016 05610 | 3337   | Res, 1K5, 20%, 1/2W, Carbon Film . . .  | 3198 013 01520 |
| 2897 | Cap, 390p, 5%, 50v, Ceramic. . . . .    | 3198 016 03910 | 3341   | Res, 1K5, 20%, 1/2W, Carbon Film . . .  | 3198 013 01520 |
| 2898 | Cap, 10n, 10%, 50v, Ceramic. . . . .    | 3198 017 01030 | 3347   | Res, 220 ohm, 5%, 1/3W, Metal Film . .  | 2306 204 03221 |
| 2902 | Cap, 1000u, 20%, 16v, Electrolytic . .  | 3198 026 21020 | 3348   | Res, 1K5, 20%, 1/2W, Carbon Film . . .  | 3198 013 01520 |
| 2903 | Cap, 1u, 20%, 50v, Electrolytic. . . .  | 3198 025 51080 | 3349   | Res, 1R2, 5%, 1/3W, Metal Film . . . .  | 2306 204 03128 |
| 2904 | Cap, 470n, +80/-20%, 16v, Ceramic. . .  | 3198 017 24740 | 3350   | Res, 1R2, 5%, 1/3W, Metal Film . . . .  | 2306 204 03128 |
| 2905 | Cap, 1n, 5%, 50v, Ceramic. . . . .      | 3198 016 01020 | 3401   | Res, 330K, 5%, 1/2W, Metalized Glass .  | 2322 242 13334 |
| 2906 | Cap, 470n, +80/-20%, 16v, Ceramic. . .  | 3198 017 24740 | 3402   | Res, 18K, 5%, 1/6W, Carbon Film. . . .  | 3198 011 01830 |
| 2907 | Cap, 1n, 5%, 50v, Ceramic. . . . .      | 3198 016 01020 | 3403   | Res, 22 ohm, 5%, 2 1/2W, Metal Film. .  | 3198 012 32290 |
| 2908 | Cap, 10u, 20%, 50v, Electrolytic . . .  | 3198 025 51090 | 3404   | Res, 6R8, 5%, 1/3W, Metal Film . . . .  | 2306 204 03688 |
| 2950 | Cap, 330p, 5%, 50v, Ceramic. . . . .    | 3198 016 03310 | 3406   | Res, 10K, 5%, 1/6W, Carbon Film. . . .  | 3198 011 01030 |
| 2981 | Cap, 10u, 20%, 50v, Electrolytic . . .  | 3198 025 51090 | 3407   | Res, 220 ohm, 5%, 2 1/2W, Metal Film .  | 3198 012 32210 |
| 2982 | Cap, 470p, 5%, 50v, Ceramic. . . . .    | 3198 016 04710 | 3408   | Res, 1K, 5%, 1/6W, Carbon Film . . . .  | 3198 011 01020 |
| 2983 | Cap, 10u, 20%, 50v, Electrolytic . . .  | 3198 025 51090 | 3410   | Res, 33K, 5%, 1/10W, Metalized Glass .  | 3198 021 53330 |
| 2984 | Cap, 470p, 5%, 50v, Ceramic. . . . .    | 3198 016 04710 | 3411   | Res, 10 ohm, 5%, 1/3W, Metal Film. . .  | 2306 204 03109 |
| 3000 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 | 3412   | Res, 3K3, 1%, 3/5W, Metal Film . . . .  | 2312 915 13302 |
| 3001 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 | 3413   | Res, 10K, 5%, 1/10W, Metalized Glass .  | 3198 021 51030 |
| 3002 | Res, Zero ohm, "Chip" Jumper . . . .    | 3198 021 90020 | 3414   | Res, 1K5, 1%, 3/5W, Metal Film . . . .  | 2312 915 11502 |
| 3003 | Res, 1K5, 5%, 1/10W, Metalized Glass .  | 3198 021 51520 | 3415   | Res, 1K, 5%, 1/6W, Carbon Film . . . .  | 3198 011 01020 |
| 3004 | Res, 8K2, 5%, 1/10W, Metalized Glass .  | 3198 021 58220 | 3416   | Res, 3R9, 5%, 1/2W, Metal Film . . . .  | 2306 207 03398 |
| 3005 | Res, 100 ohm, 5%, 1/6W, Carbon Film . . | 3198 011 01010 | 3417   | Res, 33K, 5%, 1/6W, Carbon Film. . . .  | 3198 011 03330 |
| 3101 | Res, 68 ohm, 5%, 1/6W, Carbon Film . .  | 3198 011 06890 | 3418   | Res, 33K, 5%, 1/10W, Metalized Glass .  | 3198 021 53330 |
| 3102 | Res, 1K, 5%, 1/10W, Metalized Glass. .  | 3198 021 51020 | 3419   | Res, 6K8, 5%, 1/10W, Metalized Glass .  | 3198 021 56820 |
| 3103 | Res, 150 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01510 | 3420   | Res, 33K, 5%, 1/10W, Metalized Glass .  | 3198 021 53330 |
| 3104 | Res, 220K, 5%, 1/10W, Metalized Glass.  | 3198 021 52240 | 3421   | Res, 6R8, 5%, 1 1/3W, Metal Film . . .  | 3198 012 26880 |
| 3105 | Res, 150 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01510 | 3422   | Res, 100 ohm, 5%, 1/10W, Metalized Glas | 3198 021 51010 |
| 3106 | Res, 220K, 5%, 1/10W, Metalized Glass.  | 3198 021 52240 | 3423   | Res, 820 ohm, 5%, 1/10W, Metalized Glas | 3198 021 58210 |
| 3123 | Res, 150 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01510 | 3424   | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 |
| 3124 | Res, 47K, 5%, 1/10W, Metalized Glass .  | 3198 021 54730 | 3425   | Res, 15K, 5%, 1/6W, Carbon Film. . . .  | 3198 011 01530 |
| 3125 | Res, 150 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01510 | 3426   | Res, Zero ohm, "Chip" Jumper . . . .    | 3198 021 90020 |
| 3126 | Res, 47K, 5%, 1/10W, Metalized Glass .  | 3198 021 54730 | 3427   | Res, 12K, 5%, 1/6W, Carbon Film. . . .  | 3198 011 01230 |
| 3135 | Res, 75 ohm, 5%, 1/6W, Carbon Film . .  | 3198 011 07590 | 3428   | Res, 39 ohm, 5%, 1/2W, Metal Film. . .  | 2306 207 03399 |
| 3136 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 | 3431   | Res, Zero ohm, "Chip" Jumper . . . .    | 3198 021 90020 |
| 3137 | Res, 75 ohm, 5%, 1/6W, Carbon Film . .  | 3198 011 07590 | 3432   | Res, 22 ohm, 5%, 1/6W, Carbon Film . .  | 3198 011 02290 |
| 3138 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 | 3471   | Res, 4R7, 1%, 3/5W, Metal Film . . . .  | 2312 915 14708 |
| 3141 | Res, 1K, 5%, 1/6W, Carbon Film . . . .  | 3198 011 01020 | 3472   | Res, 4R7, 1%, 3/5W, Metal Film . . . .  | 2312 915 14708 |
| 3181 | Res, 75 ohm, 5%, 1/6W, Carbon Film . .  | 3198 011 07590 | 3473   | Res, 2K2, 1%, 3/5W, Metal Film . . . .  | 2312 915 12202 |
| 3182 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 | 3474   | Res, 1K, 5%, 1/6W, Carbon Film . . . .  | 3198 011 01020 |
| 3183 | Res, 150 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01510 | 3475   | Res, 2K2, 1%, 3/5W, Metal Film . . . .  | 2312 915 12202 |
| 3184 | Res, 47K, 5%, 1/10W, Metalized Glass .  | 3198 021 54730 | 3476   | Res, 1R5, 5%, 1/3W, Metal Film . . . .  | 2306 204 03158 |
| 3185 | Res, 150 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01510 | 3477   | Res, 220 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 02210 |
| 3186 | Res, 47K, 5%, 1/10W, Metalized Glass .  | 3198 021 54730 | 3478   | Res, 220 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 02210 |
| 3200 | Res, 390 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 03910 | 3479   | Res, 1K, 5%, 1/6W, Carbon Film . . . .  | 3198 011 01020 |
| 3201 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 | 3500   | Res, 3M3, 5%, 1/2W, Metalized Glass. .  | 2322 242 13335 |
| 3202 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 | 3501   | Res, 3M3, 5%, 1/2W, Metalized Glass. .  | 2322 242 13335 |
| 3203 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 | S 3502 | NTC, B57237, 3W1, 4R7, 20% . . . . .    | 2122 612 00055 |
| 3204 | Res, 10K, 5%, 1/6W, Carbon Film. . . .  | 3198 011 01030 | S 3503 | PTC, ZPB, 120V, 10R, 30%. . . . .       | 2120 661 00026 |
| 3206 | Res, 100K, 5%, 1/10W, Metalized Glass.  | 3198 021 51040 | 3506   | Res, 220 ohm, 20%, 1/2W, Carbon Film .  | 3198 013 02210 |
| 3207 | Res, 1K, 5%, 1/6W, Carbon Film . . . .  | 3198 011 01020 | 3507   | Surge Protector. . . . .                | 2422 549 43073 |
| 3208 | Res, 220 ohm, 5%, 1/10W, Metalized Glas | 3198 021 52210 | 3508   | Res, 1M5, 5%, 1/2W, Metalized Glass. .  | 2322 242 13155 |
| 3209 | Res, 68 ohm, 5%, 1/10W, Metalized Glass | 3198 021 56890 | 3519   | Res, 270 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 02710 |
| 3212 | Res, 470 ohm, 5%, 1/10W, Metalized Glas | 3198 021 54710 | 3520   | Res, 1K2, 5%, 1/10W, Metalized Glass .  | 3198 021 51220 |
| 3213 | Res, 560 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 05610 | 3521   | Res, 22 ohm, 5%, 1/6W, Carbon Film . .  | 3198 011 02290 |
| 3217 | Res, 330K, 5%, 1/10W, Metalized Glass.  | 3198 021 53340 | 3522   | Res, 330K, 5%, 1/10W, Metalized Glass.  | 3198 021 53340 |
| 3218 | Res, 82K, 5%, 1/10W, Metalized Glass .  | 3198 021 58230 | 3523   | Res, 100 ohm, 5%, 1/3W, Metal Film . .  | 2306 204 03101 |
| 3219 | Res, 2K2, 5%, 1/10W, Metalized Glass .  | 3198 021 52220 | 3524   | Res, 56K, 5%, 1/10W, Metalized Glass .  | 3198 021 55630 |
| 3220 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 | 3525   | Res, 1K, 5%, 1/10W, Metalized Glass. .  | 3198 021 51020 |
| 3221 | Res, 560 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 05610 | 3526   | Res, 0R15, 5%, 3/5W, Metal Film. . . .  | 3198 012 11570 |
| 3222 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 | 3527   | Res, 2K2, 5%, 1/3W, Metal Film . . . .  | 2306 204 03222 |
| 3226 | Res, 560 ohm, 5%, 1/10W, Metalized Glas | 3198 021 55610 | 3528   | Res, 10K, 5%, 1/10W, Metalized Glass .  | 3198 021 51030 |
| 3235 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 | 3529   | Res, 47K, 5%, 1/10W, Metalized Glass .  | 3198 021 54730 |
| 3241 | Res, 22K, 5%, 1/10W, Metalized Glass .  | 3198 021 52230 | 3530   | Res, 4K7, 5%, 1/10W, Metalized Glass .  | 3198 021 54720 |
| 3242 | Res, 12K, 5%, 1/10W, Metalized Glass .  | 3198 021 51230 | 3531   | Res, Zero ohm, "Chip" Jumper . . . .    | 3198 021 90020 |
| 3244 | Res, 820 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 08210 | 3541   | Res, 470 ohm, 5%, 1/10W, Metalized Glas | 3198 021 54710 |
| 3245 | Res, 39K, 5%, 1/10W, Metalized Glass .  | 3198 021 53930 | 3542   | Res, 1K5, 5%, 1/10W, Metalized Glass .  | 3198 021 51520 |
| 3246 | Res, 10K, 5%, 1/10W, Metalized Glass .  | 3198 021 51030 | 3543   | Res, 82K, 1%, 3/5W, Metal Film . . . .  | 2312 915 18203 |
| 3247 | Res, 220K, 5%, 1/10W, Metalized Glass.  | 3198 021 52240 | 3544   | Res, 6K8, 1%, 3/5W, Metal Film . . . .  | 2312 915 16802 |
| 3248 | Res, 27K, 5%, 1/10W, Metalized Glass .  | 3198 021 52730 | 3545   | Res, 82K, 5%, 1/10W, Metalized Glass .  | 3198 021 58230 |
| 3249 | Res, 820 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 08210 | 3546   | Res, Zero ohm, "Chip" Jumper . . . .    | 3198 021 90020 |
| 3251 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 | 3547   | Res, 0R33, 5%, 3/5W, Metal Film. . . .  | 3198 012 13370 |
| 3254 | Res, 1M, 5%, 1/10W, Metalized Glass. .  | 3198 021 51050 | 3548   | Res, 8K2, 5%, 1/10W, Metalized Glass .  | 3198 021 58220 |
| 3256 | Res, 1K, 5%, 1/10W, Metalized Glass. .  | 3198 021 51020 | 3549   | Res, 220 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 02210 |
| 3257 | Res, 10M, 5%, 1/10W, Metalized Glass .  | 3198 021 51060 | 3552   | Res, 10K, 5%, 1/10W, Metalized Glass .  | 3198 021 51030 |
| 3258 | Res, 330K, 5%, 1/10W, Metalized Glass.  | 3198 021 53340 | 3559   | Res, 1K, 5%, 1/10W, Metalized Glass. .  | 3198 021 51020 |
| 3259 | Res, 470K, 5%, 1/10W, Metalized Glass.  | 3198 021 54740 | 3560   | Res, 47 ohm, 5%, 1/6W, Carbon Film . .  | 3198 011 04790 |
| 3311 | Res, 1K5, 5%, 1/10W, Metalized Glass .  | 3198 021 51520 | 3561   | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 |
| 3312 | Res, 330 ohm, 5%, 1/10W, Metalized Glas | 3198 021 53310 | 3562   | Res, 10K, 5%, 1/10W, Metalized Glass .  | 3198 021 51030 |
| 3313 | Res, 10 ohm, 5%, 1/10W, Metalized Glass | 3198 021 51090 | 3563   | Res, 4K7, 5%, 1/10W, Metalized Glass .  | 3198 021 54720 |
| 3314 | Res, 18K, 5%, 2 1/2W, Metal Film . . .  | 2322 195 63183 | 3564   | Res, 0R1, 5%, 1 1/3W, Metal Film . . .  | 3198 012 21070 |
| 3316 | Res, 68 ohm, 5%, 1/3W, Metal Film. . .  | 2306 204 03689 | 3565   | Res, 330 ohm, 5%, 1W, Metal Film . . .  | 3198 012 13310 |
| 3317 | Res, 1K5, 20%, 1/2W, Carbon Film . . .  | 3198 013 01520 | 3566   | Res, 2K2, 5%, 1/10W, Metalized Glass .  | 3198 021 52220 |
| 3321 | Res, 1K5, 5%, 1/10W, Metalized Glass .  | 3198 021 51520 | 3567   | Res, 2K2, 5%, 1/10W, Metalized Glass .  | 3198 021 52220 |

## 20LW202222 (continued)

|      |   |                |        |  |                |
|------|---|----------------|--------|--|----------------|
| 3568 | Res, 8K2, 5%, 1/10W, Metalized Glass .  | 3198 021 58220 | 4835   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 021 90020 |
| 3569 | Res, 5K6, 5%, 1/10W, Metalized Glass .  | 3198 021 55620 | 4901   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 021 90020 |
| 3580 | Res, 47K, 5%, 1/10W, Metalized Glass .  | 3198 021 54730 | 4903   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 021 90020 |
| 3601 | Res, 8K2, 5%, 1/6W, Carbon Film. . . .  | 3198 011 08220 | 4911   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 021 90020 |
| 3603 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 | 4982   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 021 90020 |
| 3604 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 | 5001   | Coil, 5u6. . . . .                       | 3198 018 25680 |
| 3605 | Res, 4K7, 5%, 1/10W, Metalized Glass .  | 3198 021 54720 | 5002   | Coil, 820n . . . . .                     | 3198 018 18270 |
| 3606 | Res, 2K2, 5%, 1/6W, Carbon Film. . . .  | 3198 011 02220 | 5201   | Coil, 6u8. . . . .                       | 3198 018 16880 |
| 3607 | Res, 2K2, 5%, 1/6W, Carbon Film. . . .  | 3198 011 02220 | 5202   | Coil, 10u. . . . .                       | 3198 018 21090 |
| 3608 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 | 5241   | Coil, 10u. . . . .                       | 3198 018 21090 |
| 3609 | Res, 1K, 5%, 1/6W, Carbon Film. . . .   | 3198 011 01020 | 5242   | Coil, 10u. . . . .                       | 3198 018 11090 |
| 3610 | Res, 8K2, 5%, 1/6W, Carbon Film. . . .  | 3198 011 08220 | 5341   | Coil, 22u. . . . .                       | 2422 535 95365 |
| 3611 | Res, 100 ohm, 5%, 1/10W, Metalized Glas | 3198 021 51010 | 5342   | Fixed, Inductor, 100MHz, 50R. . . . .    | 3198 018 90010 |
| 3618 | Res, 6K8, 5%, 1/6W, Carbon Film. . . .  | 3198 011 06820 | 5408   | Coil, 27u. . . . .                       | 2422 535 95366 |
| 3622 | Res, 100 ohm, 5%, 1/10W, Metalized Glas | 3198 021 51010 | 5410   | Coil, 27u. . . . .                       | 2422 535 95366 |
| 3623 | Res, 4K7, 5%, 1/10W, Metalized Glass .  | 3198 021 54720 | 5444   | Transformer, Signal Driver, SC100. . . . | 2422 531 02446 |
| 3624 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 | 5445   | Transformer. . . . .                     | 3128 138 21541 |
| 3625 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 | S 5502 | Filter, Mains, 5Mh, 1A . . . . .         | 2422 549 44284 |
| 3626 | Res, 4K7, 5%, 1/10W, Metalized Glass .  | 3198 021 54720 | 5520   | Transformer, SMT, SS28032-01A B. . . .   | 2422 531 02458 |
| 3627 | Res, 4K7, 5%, 1/10W, Metalized Glass .  | 3198 021 54720 | 5521   | Fixed, Inductor, 100MHz, 50R. . . . .    | 3198 018 90010 |
| 3628 | Res, 10K, 5%, 1/10W, Metalized Glass .  | 3198 021 51030 | 5560   | Fixed, Inductor, 100MHz, 50R. . . . .    | 3198 018 90010 |
| 3630 | Res, 2K2, 5%, 1/10W, Metalized Glass .  | 3198 021 52220 | 5561   | Coil, 27u. . . . .                       | 3198 018 22790 |
| 3632 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 | 5562   | Fixed, Inductor, 100MHz, 50R. . . . .    | 3198 018 90010 |
| 3635 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 | 5563   | Fixed, Inductor, 100MHz, 50R. . . . .    | 3198 018 90010 |
| 3636 | Res, 100 ohm, 5%, 1/10W, Metalized Glas | 3198 021 51010 | 5602   | Coil, 5u6. . . . .                       | 3198 018 15680 |
| 3681 | Res, 390 ohm, 5%, 1/10W, Metalized Glas | 3198 021 53910 | 5603   | Coil, 5u6. . . . .                       | 3198 018 15680 |
| 3682 | Res, 3K3, 5%, 1/10W, Metalized Glass .  | 3198 021 53320 | 5604   | Coil, 5u6. . . . .                       | 3198 018 15680 |
| 3683 | Res, 390 ohm, 5%, 1/10W, Metalized Glas | 3198 021 53910 | 5831   | Coil, 6u8. . . . .                       | 3198 018 16880 |
| 3684 | Res, 560 ohm, 5%, 1/10W, Metalized Glas | 3198 021 55610 | 5832   | Coil, 6u8. . . . .                       | 3198 018 16880 |
| 3685 | Res, 560 ohm, 5%, 1/10W, Metalized Glas | 3198 021 55610 | 5833   | Coil, 6u8. . . . .                       | 3198 018 16880 |
| 3686 | Res, 1K5, 5%, 1/10W, Metalized Glass .  | 3198 021 51520 | 5835   | Coil, 12u. . . . .                       | 3198 018 31290 |
| 3691 | Res, 330 ohm, 5%, 1/10W, Metalized Glas | 3198 021 53310 | 6001   | Zener Diode, 33 volt . . . . .           | 3198 010 23390 |
| 3693 | Res, 220 ohm, 5%, 1/10W, Metalized Glas | 3198 021 52210 | 6201   | Diode, Signal, BAS316. . . . .           | 3198 010 10630 |
| 3694 | Res, 4K7, 5%, 1/10W, Metalized Glass .  | 3198 021 54720 | 6202   | Diode, Signal, BAS316. . . . .           | 3198 010 10630 |
| 3801 | Res, 220 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 02210 | 6206   | Zener Diode, 6.8 volt. . . . .           | 3198 020 56880 |
| 3802 | Res, 1K, 5%, 1/6W, Carbon Film. . . .   | 3198 011 01020 | 6241   | Zener Diode, 6.8 volt. . . . .           | 3198 020 56880 |
| 3803 | Res, 100K, 5%, 1/10W, Metalized Glass.  | 3198 021 51040 | 6311   | Diode, Signal, BAV21 . . . . .           | 3198 010 10070 |
| 3804 | Res, 82K, 5%, 1/10W, Metalized Glass .  | 3198 021 58230 | 6321   | Diode, Signal, BAV21 . . . . .           | 3198 010 10070 |
| 3805 | Res, 1K, 5%, 1/10W, Metalized Glass. .  | 3198 021 51020 | 6331   | Diode, Signal, BAV21 . . . . .           | 3198 010 10070 |
| 3806 | Res, 100K, 5%, 1/10W, Metalized Glass.  | 3198 021 51040 | 6341   | Diode, Signal, BAV21 . . . . .           | 3198 010 10070 |
| 3807 | Res, 82K, 5%, 1/10W, Metalized Glass .  | 3198 021 58230 | 6342   | Diode, Signal, BA282 . . . . .           | 9337 587 20673 |
| 3808 | Res, 1K, 5%, 1/6W, Carbon Film. . . .   | 3198 011 01020 | 6343   | Zener Diode, 8.2 volt. . . . .           | 3198 020 58280 |
| 3831 | Res, 47K, 5%, 1/10W, Metalized Glass .  | 3198 021 54730 | 6401   | Diode, Signal, BAV21 . . . . .           | 3198 010 10070 |
| 3832 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 | 6402   | Diode, Rect, BYV27-200. . . . .          | 9322 126 72673 |
| 3833 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 | 6404   | Diode, Rect, BYD33M . . . . .            | 9337 410 30133 |
| 3836 | Res, 1K, 5%, 1/6W, Carbon Film. . . .   | 3198 011 01020 | 6405   | Diode, Rect, BYD33D . . . . .            | 9337 234 00133 |
| 3837 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 | 6406   | Diode, Signal, BAV70 . . . . .           | 9331 849 10215 |
| 3838 | Res, 1K, 5%, 1/10W, Metalized Glass. .  | 3198 021 51020 | 6407   | Diode, Signal, BAS316. . . . .           | 3198 010 10630 |
| 3839 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 | 6408   | Diode, Signal, BAS316. . . . .           | 3198 010 10630 |
| 3843 | Res, 2K2, 5%, 1/10W, Metalized Glass .  | 3198 021 52220 | 6409   | Diode, Rect, BYD33D . . . . .            | 9337 234 00133 |
| 3901 | Res, 1K, 5%, 1/10W, Metalized Glass. .  | 3198 021 51020 | 6410   | Diode, Rect, BYD33D . . . . .            | 9337 234 00133 |
| 3902 | Res, 3K3, 5%, 1/10W, Metalized Glass .  | 3198 021 53320 | 6413   | Diode, Signal, 1N4148. . . . .           | 3198 010 10010 |
| 3903 | Res, 3K3, 5%, 1/10W, Metalized Glass .  | 3198 021 53320 | 6414   | Zener Diode, 6.2 volt. . . . .           | 9331 668 30133 |
| 3904 | Res, 10K, 5%, 1/10W, Metalized Glass .  | 3198 021 51030 | 6415   | Diode, Signal, BAS316. . . . .           | 3198 010 10630 |
| 3905 | Res, 3K3, 5%, 1/10W, Metalized Glass .  | 3198 021 53320 | 6419   | Zener Diode, 5.6 volt. . . . .           | 9331 177 30133 |
| 3906 | Res, 10K, 5%, 1/10W, Metalized Glass .  | 3198 021 51030 | 6420   | Zener Diode, 9.1 volt. . . . .           | 9331 177 80133 |
| 3907 | Res, 8K2, 5%, 1/10W, Metalized Glass .  | 3198 021 58220 | 6423   | Diode, Rect, BYD33D . . . . .            | 9337 234 00133 |
| 3981 | Res, 120 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01210 | 6471   | Diode, Rect, BYD33D . . . . .            | 9337 234 00133 |
| 3982 | Res, 120 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01210 | 6500   | Diode, Rect, 1N5062 . . . . .            | 3198 010 10120 |
| 4001 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 | 6501   | Diode, Rect, 1N5062 . . . . .            | 3198 010 10120 |
| 4002 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 | 6502   | Diode, Rect, 1N5062 . . . . .            | 3198 010 10120 |
| 4101 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 | 6503   | Diode, Rect, 1N5062 . . . . .            | 3198 010 10120 |
| 4102 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 | 6520   | Diode, Rect, BYD33D . . . . .            | 9337 234 00133 |
| 4104 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 | 6523   | Diode, Signal, 1N4148. . . . .           | 3198 010 10010 |
| 4121 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 | 6540   | Zener Diode, 6.2 volt. . . . .           | 9331 668 30133 |
| 4181 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 | 6541   | Zener Diode, 10 volt . . . . .           | 3198 010 21090 |
| 4209 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 | 6560   | Diode, Rectifier, BYW76 RAS15-10. . .    | 9322 187 13682 |
| 4216 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 | 6561   | Diode, Rectifier, BYW76 RAS15-10. . .    | 9322 187 13682 |
| 4217 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 | 6562   | Diode, Rect, EGP20DL-5100 . . . . .      | 9322 164 42682 |
| 4410 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 | 6563   | Diode, Signal, BAS316. . . . .           | 3198 010 10630 |
| 4501 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 | 6565   | Diode, Signal, BAV70 . . . . .           | 9331 849 10215 |
| 4601 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 | 6566   | Diode, Signal, BAS316. . . . .           | 3198 010 10630 |
| 4613 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 | 6569   | Diode, Signal, BAS316. . . . .           | 3198 010 10630 |
| 4614 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 | 6570   | Zener Diode, 6.8 volt. . . . .           | 3198 020 56880 |
| 4615 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 | 6580   | Diode, Signal, BAS316. . . . .           | 3198 010 10630 |
| 4616 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 | 6681   | Diode, Signal, BAT85 . . . . .           | 9336 247 60133 |
| 4617 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 | 6691   | LED, LTL-10224WHCR. . . . .              | 9322 050 99682 |
| 4618 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 | 6692   | IR Receiver, TSOP1836UH3V . . . . .      | 9322 127 54667 |
| 4619 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 | 6831   | Diode, Signal, 1N4148. . . . .           | 3198 010 10010 |
| 4622 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 | 6901   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 021 90020 |
| 4623 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 | 7101   | Transistor, NPN, BC847B. . . . .         | 3198 010 42030 |
| 4691 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 | 7200   | IC, TDA9587H/N1/3/0481 . . . . .         | 9352 699 87557 |
| 4692 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 | 7201   | Transistor, NPN, BC847B. . . . .         | 3198 010 42030 |
| 4693 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 | 7204   | Transistor, PNP, BC857B. . . . .         | 3198 010 42150 |
| 4802 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 | 7205   | Transistor, PNP, BC857B. . . . .         | 3198 010 42150 |
| 4804 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 | 7241   | Transistor, PNP, PDA114ET . . . . .      | 3198 010 44010 |
| 4811 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 | 7311   | Transistor, NPN, BF422 . . . . .         | 3198 020 43010 |
| 4812 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 | 7312   | Transistor, NPN, BF422 . . . . .         | 3198 020 43010 |
| 4813 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 | 7313   | Transistor, PNP, BF423 . . . . .         | 3198 020 43020 |
| 4814 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 | 7321   | Transistor, NPN, BF422 . . . . .         | 3198 020 43010 |
| 4831 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 | 7322   | Transistor, NPN, BF422 . . . . .         | 3198 020 43010 |
| 4833 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 | 7323   | Transistor, PNP, BF423 . . . . .         | 3198 020 43020 |

S = Safety Part Be sure to use exact replacement part.

## 20LW202222 (continued)

|      |                                      |                |      |                              |                |
|------|--------------------------------------|----------------|------|------------------------------|----------------|
| 7331 | Transistor, NPN, BF422 . . . . .     | 3198 020 43010 | 9617 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 7332 | Transistor, NPN, BF422 . . . . .     | 3198 020 43010 | 9618 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 7333 | Transistor, PNP, BF423 . . . . .     | 3198 020 43020 | 9619 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 7401 | Transistor, NPN, PDTCl43ZT . . . . . | 9340 547 00215 | 9620 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 7402 | Transistor, NPN, BUT11APX. . . . .   | 9340 563 21127 | 9621 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 7403 | Transistor, NPN, BC337-25. . . . .   | 9331 795 90126 | 9622 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 7404 | Transistor, PNP, BC636 . . . . .     | 9332 219 50126 | 9623 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 7405 | Transistor, PNP, BC857B. . . . .     | 3198 010 42150 | 9624 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 7406 | Transistor, PNP, BC857B. . . . .     | 3198 010 42150 | 9625 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 7407 | Transistor, NPN, BD135 . . . . .     | 3198 020 41010 | 9626 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 7408 | Transistor, NPN, BD135 . . . . .     | 3198 020 41010 | 9627 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 7409 | Transistor, PNP, BC857B. . . . .     | 3198 010 42150 | 9628 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 7471 | IC, TDA9302H . . . . .               | 9322 088 25682 | 9630 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 7515 | Optic Coupler, TCET1103(G) . . . . . | 9322 140 14667 | 9631 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 7520 | IC, TEA1507P/N1. . . . .             | 9352 673 56112 | 9632 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 7521 | F.E.T. Power, STP5NC50FP . . . . .   | 9322 160 71687 | 9633 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 7522 | Transistor, NPN, BC847B. . . . .     | 3198 010 42030 | 9634 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 7540 | Transistor, NPN, BC547B. . . . .     | 3198 020 40030 | 9637 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 7541 | Transistor, NPN, PDTCl14ET . . . . . | 9340 310 10215 | 9638 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 7542 | Transistor, PNP, BC857B. . . . .     | 3198 010 42150 | 9639 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 7560 | IC, L78L33ACZ. . . . .               | 9322 134 92676 | 9640 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 7561 | Transistor, NPN, PDTCl43ZT . . . . . | 9340 547 00215 | 9641 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 7562 | Transistor, PNP, BC857B. . . . .     | 3198 010 42150 | 9642 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 7564 | Transistor, PNP, BC857B. . . . .     | 3198 010 42150 | 9643 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 7580 | Transistor, PNP, BC857B. . . . .     | 3198 010 42150 | 9644 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 7602 | IC, M24C08-WBN6. . . . .             | 9322 154 38682 | 9645 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 7801 | IC, HEF4052BT. . . . .               | 9333 729 50653 | 9648 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 7802 | IC, HEF4053BT. . . . .               | 9333 729 60653 | 9650 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 7803 | Transistor, NPN, BC847B. . . . .     | 3198 010 42030 | 9653 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 7804 | Transistor, NPN, BC847B. . . . .     | 3198 010 42030 | 9654 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 7831 | IC, MSP3445G-PO-B8 . . . . .         | 9322 160 81682 | 9657 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 7901 | IC, AN7522N PH . . . . .             | 9322 181 41682 | 9658 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9001 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9659 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9121 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9660 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9122 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9661 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9171 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9662 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9172 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9663 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9173 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9664 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9174 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9665 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9175 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9666 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9177 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9668 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9181 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9669 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9182 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9670 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9183 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9672 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9191 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9673 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9192 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9674 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9193 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9675 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9301 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9676 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9302 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9678 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9303 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9679 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9304 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9680 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9402 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9682 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9403 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9683 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9404 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9684 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9420 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9686 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9421 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9687 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9425 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9688 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9426 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9689 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9427 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9690 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9428 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9691 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9430 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9695 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9431 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9697 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9432 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9698 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9433 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9699 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9434 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9811 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9471 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9812 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9500 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9813 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9501 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9814 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9504 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9815 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9505 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9816 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9506 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9817 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9507 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9818 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9508 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9820 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9509 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9821 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9510 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9822 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9511 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9824 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9512 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9825 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9513 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9826 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9514 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9827 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9517 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9828 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9520 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9829 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9521 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9830 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9522 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9832 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9523 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9911 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9524 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9912 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9610 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9913 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9611 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9914 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9612 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9915 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9613 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9916 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9614 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9917 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9615 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9921 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |
| 9616 | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 | 9991 | Wire Jumper, 0.58MM. . . . . | 3198 036 90010 |

S = Safety Part      Be sure to use exact replacement part.

## 20LW202222 (continued)

|      |                              |      |     |       |
|------|------------------------------|------|-----|-------|
| 9993 | Wire Jumper, 0.58MM. . . . . | 3198 | 036 | 90010 |
| 9994 | Wire Jumper, 0.58MM. . . . . | 3198 | 036 | 90010 |
| 9996 | Wire Jumper, 0.58MM. . . . . | 3198 | 036 | 90010 |
| 9997 | Wire Jumper, 0.58MM. . . . . | 3198 | 036 | 90010 |
| 9998 | Wire Jumper, 0.58MM. . . . . | 3198 | 036 | 90010 |
| CBA  | Main Chassis . . . . .       | 3139 | 177 | 21311 |

### Model 20LW202222 Cabinet Parts

| Model 20LW202222 Cabinet Parts |      |  |      |           |
|--------------------------------|------|--|------|-----------|
| S                              | AC01 | AC Power Cord. . . . .   | 3135 | 010 04781 |
|                                | AC03 | Cabinet, Back. . . . .   | 3139 | 124 35352 |
|                                | AC04 | Cabinet, Front . . . . .   | 3139 | 137 83621 |
|                                | AC05 | Chassis Guide. . . . .   | 3135 | 014 00691 |
|                                | AC06 | Control Buttons. . . . .   | 3139 | 137 83601 |
| S                              | AC08 | CRT A48JLL40X46(MO). . . . .                                     | 9322 | 166 57682 |
|                                | AC09 | Coil, Degaussing, 19V. . . . .                                   | 2422 | 549 44428 |
|                                | AC10 | Holder, Degaussing (4 Used). . . . .                             | 3135 | 013 01641 |
|                                | AC11 | Light Guide. . . . .   | 3139 | 124 36021 |
|                                | AC13 | Owner's Manual . . . . .   | 3121 | 235 20192 |
|                                | AC14 | Power Button . . . . .   | 3139 | 137 83611 |
|                                | AC16 | Speaker, 16 ohm, 5W. . . . .                                     | 2422 | 264 00411 |
|                                | AC18 | ITC = Integrated Tube Component, CRT &<br>Yoke Pre-Set . . . . . | 0000 | 000 00ITC |
|                                | AC21 | Battery, 1.5V, 2-Pack. . . . .                                   | 9299 | 000 65263 |
|                                | AC24 | Degaussing Coil Spring . . . . .                                 | 3139 | 121 26231 |
|                                | AC32 | Braid, Assembly. . . . .   | 3135 | 010 07321 |
|                                | AC34 | Wordmark (Not Shown) . . . . .                                   | 3139 | 120 01391 |
| REMOTE                         |      | Remote Transmitter RC19036001/01 . . . .                         | 3139 | 228 86491 |

# 20LW202225 - Manual no. 7602

## Main Chassis

|      |  |      |     |       |
|------|--|------|-----|-------|
|      | Main Chassis   |      |     |       |
| 0127 | 2 Pin Fuse Socket. . . . .                             | 3122 | 358 | 71251 |
| 0136 | IC-SPRING FOR ITEM 7901 (IC AN7522N). . . . .          | 3104 | 301 | 22081 |
| 0138 | IC-SPRING FOR ITEM 7471 (IC TDA9302H). . . . .         | 3104 | 301 | 22081 |
| 0139 | IC-SPRING 7402 . . . . .                               | 3139 | 121 | 24581 |
| 0211 | 2 Pin Connector (AC Input Plug). . . . .               | 2422 | 025 | 16269 |
| 0212 | 2 Pin Connector (Degaussing Plug (RED)) . . . . .      | 2422 | 025 | 16375 |
| 0217 | 3 Pin Connector. . . . .                               | 2412 | 020 | 00725 |
| 0218 | 3 Pin Connector. . . . .                               | 2422 | 026 | 04742 |
| 0220 | 3 Pin Connector. . . . .                               | 2422 | 025 | 04851 |
| 0221 | 6 Pin Connector. . . . .                               | 2422 | 025 | 15503 |
| 0222 | 2 Pin Connector. . . . .                               | 2422 | 025 | 10646 |
| 0223 | 6 Pin Connector. . . . .                               | 2422 | 026 | 05184 |
| 0225 | 10 Pin Connector . . . . .                             | 2422 | 026 | 04926 |
| 0232 | Headphone Jack . . . . .                               | 2422 | 026 | 04747 |
| 0243 | 6 Pin Connector. . . . .                               | 2422 | 025 | 04854 |
| 0244 | 3 Pin Connector. . . . .                               | 2422 | 025 | 04851 |
| 0245 | 6 Pin Connector. . . . .                               | 2422 | 025 | 04854 |
| 0246 | 5 Pin Connector. . . . .                               | 2422 | 025 | 15848 |
| 0254 | 9 Pin CRT Socket (N-NECK). . . . .                     | 2422 | 500 | 80067 |
| 1000 | Tuner V+U PLL F ENV56D98G3 . . . . .                   | 2422 | 542 | 90108 |
| 1002 | 45.75 MHz Saw Filter F072TPL-A . . . . .               | 2422 | 549 | 44327 |
| 1200 | 4.5MHz Ceramic Filter, TPS*MB. . . . .                 | 2422 | 549 | 40807 |
| 1500 | 4 Amp, 250V, Fuse (5X20) . . . . .                     | 2422 | 086 | 10869 |
| 1515 | 5 Amp, 12V, 1 Pin Relay, G5PA-1. . . . .               | 2422 | 132 | 07444 |
| 1600 | Tact Switch. . . . .                                   | 2422 | 128 | 02742 |
| 1601 | Tact Switch. . . . .                                   | 2422 | 128 | 02742 |
| 1602 | Tact Switch. . . . .                                   | 2422 | 128 | 02742 |
| 1603 | Tact Switch. . . . .                                   | 2422 | 128 | 02742 |
| 1606 | Tact Switch. . . . .                                   | 2422 | 128 | 02742 |
| 1660 | 12MHz, Crystal Resonator, HC49/U A . . . . .           | 2422 | 543 | 01203 |
| 1831 | 18.432MHz, Crystal Resonator, HC49/U A . . . . .       | 2422 | 543 | 00842 |
| 2004 | 0.047uF., 25V, Ceramic . . . . .                       | 3198 | 023 | 04730 |
| 2005 | 10uF., 20%, 50V, Electrolytic. . . . .                 | 3198 | 025 | 51090 |
| 2006 | 470uF., 20%, 16V, Electrolytic . . . . .               | 3198 | 025 | 24710 |
| 2007 | 0.1uF, 25V, Ceramic. . . . .                           | 3198 | 023 | 21040 |
| 2008 | 100uF., 20%, 25V, Electrolytic . . . . .               | 3198 | 025 | 31010 |
| 2009 | 0.022uF., 50V, Ceramic . . . . .                       | 3198 | 017 | 02230 |
| 2101 | 0.47uF, 16V, Ceramic . . . . .                         | 3198 | 017 | 24740 |
| 2102 | 22pF., 50V, Ceramic. . . . .                           | 3198 | 016 | 02290 |
| 2103 | 330pF., 50V, Ceramic . . . . .                         | 3198 | 016 | 03310 |
| 2104 | 330pF., 50V, Ceramic . . . . .                         | 3198 | 016 | 03310 |
| 2105 | 10uF., 20%, 50V, Electrolytic. . . . .                 | 3198 | 025 | 51090 |
| 2106 | 10uF., 20%, 50V, Electrolytic. . . . .                 | 3198 | 025 | 51090 |
| 2122 | 330pF., 50V, Ceramic . . . . .                         | 3198 | 016 | 03310 |
| 2123 | 2.2uF., 10V, Ceramic . . . . .                         | 3198 | 017 | 22250 |
| 2124 | 330pF., 50V, Ceramic . . . . .                         | 3198 | 016 | 03310 |
| 2125 | 2.2uF., 10V, Ceramic . . . . .                         | 3198 | 017 | 22250 |
| 2135 | 22pF., 50V, Ceramic. . . . .                           | 3198 | 016 | 02290 |
| 2136 | 22pF., 50V, Ceramic. . . . .                           | 3198 | 016 | 02290 |
| 2141 | 330pF., 50V, Ceramic . . . . .                         | 3198 | 016 | 03310 |
| 2181 | 22pF., 50V, Ceramic. . . . .                           | 3198 | 016 | 02290 |
| 2182 | 330pF., 50V, Ceramic . . . . .                         | 3198 | 016 | 03310 |
| 2183 | 330pF., 50V, Ceramic . . . . .                         | 3198 | 016 | 03310 |
| 2184 | 2.2uF., 10V, Ceramic . . . . .                         | 3198 | 017 | 22250 |
| 2202 | 0.1uF, 25V, Ceramic. . . . .                           | 3198 | 023 | 21040 |
| 2203 | 0.1uF, 25V, Ceramic. . . . .                           | 3198 | 023 | 21040 |
| 2204 | 0.1uF, 25V, Ceramic. . . . .                           | 3198 | 023 | 21040 |
| 2205 | 0.22uF., 25V, Ceramic. . . . .                         | 3198 | 023 | 22240 |
| 2208 | 0.1uF, 25V, Ceramic. . . . .                           | 3198 | 023 | 21040 |
| 2209 | 4.7uF., 20%, 50V, Electrolytic . . . . .               | 3198 | 025 | 54780 |
| 2210 | 0.47uF., 20%, 50V, Electrolytic. . . . .               | 3198 | 025 | 54770 |
| 2211 | 0.47uF, 16V, Ceramic . . . . .                         | 3198 | 017 | 24740 |
| 2216 | 100uF., 20%, 25V, Electrolytic . . . . .               | 3198 | 025 | 31010 |
| 2217 | 0.022uF., 50V, Ceramic . . . . .                       | 3198 | 017 | 02230 |
| 2219 | 0.22uF., 25V, Ceramic. . . . .                         | 3198 | 023 | 22240 |
| 2220 | 0.47uF., 10%, 50V, Metalized Polyester . . . . .       | 3198 | 014 | 04740 |
| 2221 | 0.022uF, 50V, Ceramic. . . . .                         | 3198 | 017 | 22230 |
| 2233 | 820pF., 50V, Ceramic . . . . .                         | 3198 | 016 | 08210 |
| 2241 | 1500pF., 50V, Ceramic. . . . .                         | 3198 | 017 | 01520 |
| 2242 | 1uF., 16V, Ceramic. . . . .                            | 3198 | 017 | 21050 |
| 2243 | 2200pF., 50V, Ceramic. . . . .                         | 3198 | 017 | 02220 |
| 2244 | 0.1uF., 10%, 63V, Metalized Polyester. . . . .         | 2222 | 370 | 75104 |
| 2245 | 0.22uF., 25V, Ceramic. . . . .                         | 3198 | 023 | 22240 |
| 2247 | 100uF., 20%, 25V, Electrolytic . . . . .               | 3198 | 025 | 31010 |
| 2248 | 0.022uF., 50V, Ceramic . . . . .                       | 3198 | 017 | 02230 |
| 2249 | 0.022uF., 50V, Ceramic . . . . .                       | 3198 | 017 | 02230 |
| 2250 | 2.2uF., 20%, 50V, Electrolytic . . . . .               | 3198 | 025 | 52280 |
| 2252 | 1000pF., 50V, Ceramic. . . . .                         | 3198 | 016 | 01020 |
| 2253 | 1000pF., 50V, Ceramic. . . . .                         | 3198 | 016 | 01020 |
| 2254 | 100pF., 50V, Ceramic . . . . .                         | 3198 | 016 | 01010 |
| 2313 | 220pF., 50V, Ceramic . . . . .                         | 3198 | 016 | 02210 |
| 2323 | 390pF., 50V, Ceramic . . . . .                         | 3198 | 016 | 03910 |
| 2331 | 390pF., 50V, Ceramic . . . . .                         | 3198 | 016 | 03910 |
| 2341 | 2200pF., 1kV, 10%, Ceramic . . . . .                   | 2020 | 558 | 90571 |
| 2342 | 0.047uF, 10%, 250V Metalized Polyester . . . . .       | 2222 | 365 | 45473 |
| 2343 | 0.047uF, 10%, 250V Metalized Polyester . . . . .       | 2222 | 365 | 45473 |
| 2401 | 680pF, 50V, Ceramic. . . . .                           | 3198 | 019 | 16810 |
| 2402 | 0.68uF, 5%, 250V, Metalized Polypropyl<br>ene. . . . . | 2222 | 479 | 90027 |
| 2406 | 330pF., 50V, Ceramic . . . . .                         | 3198 | 016 | 03310 |

|      |   |      |     |       |
|------|---|------|-----|-------|
| 2407 | 0.011uF., 5%, 1.6kV, Metalized Polyprop<br>ylene. . . . . | 2222 | 375 | 90155 |
| 2408 | 0.022uF., 50V, Ceramic . . . . .                          | 3198 | 019 | 22230 |
| 2409 | 47uF., 20%, 160V, Electrolytic . . . . .                  | 2020 | 021 | 91139 |
| 2410 | 470uF., 20%, 16V, Electrolytic . . . . .                  | 2020 | 021 | 91577 |
| 2411 | 47uF., 20%, 25V, Electrolytic. . . . .                    | 2020 | 021 | 90586 |
| 2412 | 0.033uF., 10%, 100V, Metalized Polyester . . . . .        | 2222 | 347 | 90236 |
| 2413 | 10uF., 20%, 250V, Electrolytic . . . . .                  | 2020 | 012 | 93495 |
| 2414 | 1000uF., 20%, 16V, Electrolytic. . . . .                  | 2020 | 021 | 91049 |
| 2417 | 1000uF., 20%, 16V, Electrolytic. . . . .                  | 2020 | 021 | 91049 |
| 2418 | 0.01uF., 50V, Ceramic . . . . .                           | 3198 | 017 | 01030 |
| 2419 | 1uF., 20%, 50V, Electrolytic . . . . .                    | 2020 | 021 | 91147 |
| 2420 | 1uF., 20%, 50V, Electrolytic . . . . .                    | 3198 | 025 | 51080 |
| 2421 | 0.047uF, 50V, Ceramic. . . . .                            | 3198 | 017 | 24730 |
| 2422 | 470uF., 20%, 16V, Electrolytic . . . . .                  | 2020 | 021 | 91577 |
| 2423 | 10uF., 20%, 100V, Electrolytic . . . . .                  | 2020 | 021 | 90813 |
| 2471 | 0.1uF., 10%, 50V, Metalized Polyester. . . . .            | 3198 | 014 | 01040 |
| 2472 | 0.1uF., 10%, 50V, Metalized Polyester. . . . .            | 3198 | 014 | 01040 |
| 2473 | 100uF., 20%, 50V, Electrolytic . . . . .                  | 2020 | 021 | 90587 |
| 2475 | 470pF., 50V, Ceramic . . . . .                            | 3198 | 016 | 04710 |
| 2476 | 0.22uF., 10%, 50V, Metalized Polyester . . . . .          | 3198 | 014 | 02240 |
| 2477 | 470pF., 50V, Ceramic . . . . .                            | 3198 | 016 | 04710 |
| 2500 | 0.47uF., 20%, 275V, Metalized Polypropyl<br>ene. . . . .  | 2022 | 330 | 00018 |
| 2501 | 2200pF., 1kV, Ceramic. . . . .                            | 3198 | 019 | 52220 |
| 2502 | 2200pF., 1kV, Ceramic. . . . .                            | 3198 | 019 | 52220 |
| 2503 | 220uF., 20%, 200V, Electrolytic. . . . .                  | 2020 | 024 | 90585 |
| 2504 | 2200pF., 1kV, Ceramic. . . . .                            | 3198 | 019 | 52220 |
| 2506 | 2200pF., 1kV, Ceramic. . . . .                            | 3198 | 019 | 52220 |
| 2508 | 470pF., 1kV, 10%, Ceramic. . . . .                        | 3198 | 019 | 64710 |
| 2515 | 1500pF., 250V, 20%, Ceramic. . . . .                      | 2020 | 554 | 90128 |
| 2520 | 0.1uF., 16V, Ceramic . . . . .                            | 3198 | 017 | 01040 |
| 2521 | 22uF., 20%, 50V, Electrolytic. . . . .                    | 3198 | 025 | 52290 |
| 2522 | 0.1uF., 16V, Ceramic . . . . .                            | 3198 | 017 | 01040 |
| 2523 | 1500pF., 2kV, 10%, Ceramic . . . . .                      | 2020 | 558 | 90489 |
| 2525 | 470pF., 50V, Ceramic. . . . .                             | 3198 | 017 | 04710 |
| 2526 | 0.001uF., 50V, Ceramic . . . . .                          | 3198 | 017 | 01020 |
| 2527 | 470pF., 50V, Ceramic. . . . .                             | 3198 | 017 | 04710 |
| 2540 | 0.015uF., 50V, Ceramic . . . . .                          | 3198 | 017 | 01530 |
| 2560 | 1000pF., 1kV, 10%, Ceramic . . . . .                      | 2020 | 558 | 90473 |
| 2561 | 47uF., 20%, 160V, Electrolytic . . . . .                  | 2020 | 021 | 91358 |
| 2562 | 1000pF., 50V, Ceramic . . . . .                           | 3198 | 019 | 11020 |
| 2563 | 0.1uF., 10%, 50V, Metalized Polyester. . . . .            | 3198 | 014 | 01040 |
| 2564 | 2200uF., 20%, 16V, Electrolytic. . . . .                  | 2020 | 012 | 93057 |
| 2565 | 470pF., 1kV, 10%, Ceramic. . . . .                        | 3198 | 019 | 64710 |
| 2566 | 47uF., 20%, 25V, Electrolytic. . . . .                    | 3198 | 025 | 34790 |
| 2567 | 47uF., 20%, 25V, Electrolytic. . . . .                    | 3198 | 025 | 34790 |
| 2568 | 1uF., 20%, 50V, Electrolytic . . . . .                    | 3198 | 025 | 51080 |
| 2569 | 470pF., 50V, Ceramic. . . . .                             | 3198 | 017 | 04710 |
| 2580 | 47uF., 20%, 25V, Electrolytic. . . . .                    | 3198 | 025 | 34790 |
| 2601 | 0.22uF., 25V, Ceramic. . . . .                            | 3198 | 023 | 22240 |
| 2602 | 100pF., 50V, Ceramic . . . . .                            | 3198 | 016 | 01010 |
| 2606 | 1000pF., 50V, Ceramic. . . . .                            | 3198 | 016 | 01020 |
| 2607 | 33pF., 50V, Ceramic. . . . .                              | 3198 | 016 | 03390 |
| 2608 | 1uF., 16V, Ceramic. . . . .                               | 3198 | 017 | 21050 |
| 2609 | 33pF., 50V, Ceramic. . . . .                              | 3198 | 016 | 03390 |
| 2611 | 1uF., 16V, Ceramic. . . . .                               | 3198 | 017 | 21050 |
| 2612 | 68pF., 50V, Ceramic. . . . .                              | 3198 | 016 | 06890 |
| 2613 | 68pF., 50V, Ceramic. . . . .                              | 3198 | 016 | 06890 |
| 2615 | 1000pF., 50V, Ceramic. . . . .                            | 3198 | 016 | 01020 |
| 2618 | 1uF., 16V, Ceramic. . . . .                               | 3198 | 017 | 21050 |
| 2619 | 1uF., 16V, Ceramic. . . . .                               | 3198 | 017 | 21050 |
| 2691 | 100uF., 20%, 25V, Electrolytic . . . . .                  | 3198 | 025 | 31010 |
| 2801 | 22uF., 20%, 50V, Electrolytic. . . . .                    | 3198 | 025 | 52290 |
| 2802 | 0.22uF., 25V, Ceramic. . . . .                            | 3198 | 023 | 22240 |
| 2803 | 2.2uF., 10V, Ceramic . . . . .                            | 3198 | 017 | 22250 |
| 2804 | 4.7uF., 10V, Ceramic. . . . .                             | 2020 | 552 | 96305 |
| 2805 | 4.7uF., 10V, Ceramic. . . . .                             | 2020 | 552 | 96305 |
| 2831 | 1pF., 50V, Ceramic . . . . .                              | 3198 | 016 | 01080 |
| 2832 | 1pF., 50V, Ceramic . . . . .                              | 3198 | 016 | 01080 |
| 2833 | 47pF., 50V, Ceramic. . . . .                              | 3198 | 016 | 04790 |
| 2834 | 470pF., 50V, Ceramic . . . . .                            | 3198 | 016 | 04710 |
| 2835 | 220pF., 50V, Ceramic . . . . .                            | 3198 | 016 | 02210 |
| 2836 | 1500pF., 50V, Ceramic. . . . .                            | 3198 | 017 | 01520 |
| 2837 | 4.7uF., 20%, 50V, Electrolytic . . . . .                  | 3198 | 025 | 54780 |
| 2838 | 47pF., 50V, Ceramic. . . . .                              | 3198 | 016 | 04790 |
| 2839 | 47pF., 50V, Ceramic. . . . .                              | 3198 | 016 | 04790 |
| 2840 | 0.1uF, 25V, Ceramic. . . . .                              | 3198 | 023 | 21040 |
| 2841 | 10uF., 20%, 50V, Electrolytic. . . . .                    | 3198 | 025 | 51090 |
| 2842 | 0.1uF, 25V, Ceramic. . . . .                              | 3198 | 023 | 21040 |
| 2843 | 10uF., 20%, 50V, Electrolytic. . . . .                    | 3198 | 025 | 51090 |
| 2844 | 10uF., 20%, 50V, Electrolytic. . . . .                    | 3198 | 025 | 51090 |
| 2845 | 0.1uF, 25V, Ceramic. . . . .                              | 3198 | 023 | 21040 |
| 2846 | 100uF., 20%, 25V, Electrolytic . . . . .                  | 3198 | 025 | 31010 |
| 2849 | 1000pF., 50V, Ceramic. . . . .                            | 3198 | 016 | 01020 |
| 2850 | 1000pF., 50V, Ceramic. . . . .                            | 3198 | 016 | 01020 |
| 2851 | 4.7uF., 10V, Ceramic. . . . .                             | 2020 | 552 | 96305 |
| 2852 | 1000pF., 50V, Ceramic. . . . .                            | 3198 | 016 | 01020 |
| 2853 | 4.7uF., 10V, Ceramic. . . . .                             | 2020 | 552 | 96305 |
| 2854 | 1000pF., 50V, Ceramic. . . . .                            | 3198 | 016 | 01020 |
| 2855 | 33pF., 50V, Ceramic. . . . .                              | 3198 | 019 | 03390 |
| 2856 | 47pF., 50V, Ceramic. . . . .                              | 3198 | 016 | 04790 |

# 20LW202225 (continued)

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|------|--|----------------|------|---|----------------|
| 2857 | 150pF., 50V, Ceramic . . . . .         | 3198 016 01510 | 3334 | 18k, 5%, Metal Film. . . . .                                      | 2322 195 63183 |
| 2860 | 180pF., 50V, Ceramic . . . . .         | 3198 016 01810 | 3336 | 68 ohm, 5%, Fusible Resistor NFR25 . .                            | 2306 204 03689 |
| 2894 | 220pF., 50V, Ceramic . . . . .         | 3198 016 02210 | 3337 | 1.5k, 20%, 1/2W Carbon . . . . .                                  | 3198 013 01520 |
| 2895 | 560pF., 50V, Ceramic . . . . .         | 3198 016 05610 | 3341 | 1.5k, 20%, 1/2W Carbon . . . . .                                  | 3198 013 01520 |
| 2897 | 390pF., 50V, Ceramic . . . . .         | 3198 016 03910 | 3347 | 220 ohm, 5% Fusible Resistor NFR25 . .                            | 2306 204 03221 |
| 2898 | 0.01uF., 50V, Ceramic . . . . .        | 3198 017 01030 | 3348 | 1.5k, 20%, 1/2W Carbon . . . . .                                  | 3198 013 01520 |
| 2902 | 470uF., 20%, 25V, Electrolytic . . . . | 3198 026 34710 | 3349 | 1 ohm, 5%, Fusible Resistor NFR25. . .                            | 2306 204 03108 |
| 2903 | 1uF., 20%, 50V, Electrolytic . . . . . | 3198 025 51080 | 3350 | 1 ohm, 5%, Fusible Resistor NFR25. . .                            | 2306 204 03108 |
| 2904 | 0.47uF, 16V, Ceramic . . . . .         | 3198 017 24740 | 3401 | 330k, 5% . . . . .  | 2322 242 13334 |
| 2905 | 1000pF., 50V, Ceramic . . . . .        | 3198 016 01020 | 3402 | 18k, 5%, 1/6W Carbon . . . . .                                    | 3198 011 01830 |
| 2906 | 0.47uF, 16V, Ceramic . . . . .         | 3198 017 24740 | 3403 | 22 ohm, 5%, 3W, Power Resistor . . . .                            | 3198 012 32290 |
| 2907 | 1000pF., 50V, Ceramic . . . . .        | 3198 016 01020 | 3404 | 6.8 ohm, 5%, Fusible Resistor NFR25. . .                          | 2306 204 03688 |
| 2908 | 10uF., 20%, 50V, Electrolytic. . . . . | 3198 025 51090 | 3406 | 10k, 5%, 1/6W Carbon . . . . .                                    | 3198 011 01030 |
| 2981 | 10uF., 20%, 50V, Electrolytic. . . . . | 3198 025 51090 | 3407 | 220 ohm, 5%, Metal Film. . . . .                                  | 2322 195 63221 |
| 2982 | 470pF., 50V, Ceramic . . . . .         | 3198 016 04710 | 3408 | 1k, 5%, 1/6W Carbon. . . . .                                      | 3198 011 01020 |
| 2983 | 10uF., 20%, 50V, Electrolytic. . . . . | 3198 025 51090 | 3410 | 33k, 5%. . . . .  | 3198 021 53330 |
| 2984 | 470pF., 50V, Ceramic . . . . .         | 3198 016 04710 | 3411 | 10 ohm, 5% Fusible Resistor NFR25. . .                            | 2306 204 03109 |
| 3000 | 100 ohm, 5%, 1/6W Carbon . . . . .     | 3198 011 01010 | 3412 | 3.3k, 1%, Metal Film . . . . .                                    | 2322 156 23302 |
| 3001 | 100 ohm, 5%, 1/6W Carbon . . . . .     | 3198 011 01010 | 3413 | 10k, 5%. . . . .  | 3198 021 51030 |
| 3002 | Zero ohm "Chip" Jumper . . . . .       | 3198 021 90020 | 3414 | 1.5k, 1%, Metal Film . . . . .                                    | 2322 156 21502 |
| 3003 | 1.5k, 5% . . . . .                     | 3198 021 51520 | 3415 | 1k, 5%, 1/6W Carbon. . . . .                                      | 3198 011 01020 |
| 3004 | 8.2k, 5% . . . . .                     | 3198 021 58220 | 3416 | 68 ohm, 5%, Fusible Resistor NFR25 . .                            | 2306 204 03689 |
| 3005 | 100 ohm, 5%, 1/6W Carbon . . . . .     | 3198 011 01010 | 3417 | 33k, 5%, 1/6W Carbon . . . . .                                    | 3198 011 03330 |
| 3101 | 68 ohm, 5%, 1/6W Carbon. . . . .       | 3198 011 06890 | 3418 | 33k, 5%. . . . .  | 3198 021 53330 |
| 3102 | 1k, 5% . . . . .                       | 3198 021 51020 | 3419 | 6.8k, 5% . . . . .  | 3198 021 56820 |
| 3103 | 150 ohm, 5%, 1/6W Carbon . . . . .     | 3198 011 01510 | 3420 | 33k, 5%. . . . .  | 3198 021 53330 |
| 3104 | 220k, 5% . . . . .                     | 3198 021 52240 | 3421 | 6.8 ohm, 5%, 2W, Power Resistor. . . .                            | 3198 012 26880 |
| 3105 | 150 ohm, 5%, 1/6W Carbon . . . . .     | 3198 011 01510 | 3422 | 100 ohm, 5%. . . . .  | 3198 021 51010 |
| 3106 | 220k, 5% . . . . .                     | 3198 021 52240 | 3423 | 820 ohm, 5%. . . . .  | 3198 021 58210 |
| 3123 | 150 ohm, 5%, 1/6W Carbon . . . . .     | 3198 011 01510 | 3424 | 100 ohm, 5%, 1/6W Carbon . . . . .                                | 3198 011 01010 |
| 3124 | 47k, 5%. . . . .                       | 3198 021 54730 | 3425 | 12k, 5%, 1/6W Carbon . . . . .                                    | 3198 011 01230 |
| 3125 | 150 ohm, 5%, 1/6W Carbon . . . . .     | 3198 011 01510 | 3426 | 1M, 5% . . . . .  | 3198 021 51050 |
| 3126 | 47k, 5%. . . . .                       | 3198 021 54730 | 3427 | 12k, 5%, 1/6W Carbon . . . . .                                    | 3198 011 01230 |
| 3135 | 75 ohm, 5%, 1/6W Carbon. . . . .       | 3198 011 07590 | 3428 | 39 ohm, 5% Fusible Resistor NFR25H . .                            | 2306 207 03399 |
| 3136 | 100 ohm, 5%, 1/6W Carbon . . . . .     | 3198 011 01010 | 3431 | 2.2k, 5% . . . . .  | 3198 021 52220 |
| 3137 | 75 ohm, 5%, 1/6W Carbon. . . . .       | 3198 011 07590 | 3432 | 22 ohm, 5%, 1/6W Carbon. . . . .                                  | 3198 011 02290 |
| 3138 | 100 ohm, 5%, 1/6W Carbon . . . . .     | 3198 011 01010 | 3471 | 3.9 ohm, 1%, Metal Film. . . . .                                  | 2322 156 23908 |
| 3141 | 1k, 5%, 1/6W Carbon. . . . .           | 3198 011 01020 | 3472 | 3.9 ohm, 1%, Metal Film. . . . .                                  | 2322 156 23908 |
| 3181 | 75 ohm, 5%, 1/6W Carbon. . . . .       | 3198 011 07590 | 3473 | 2.2k, 1%, Metal Film . . . . .                                    | 2322 156 22202 |
| 3182 | 100 ohm, 5%, 1/6W Carbon . . . . .     | 3198 011 01010 | 3474 | 1k, 5%, 1/6W Carbon. . . . .                                      | 3198 011 01020 |
| 3183 | 150 ohm, 5%, 1/6W Carbon . . . . .     | 3198 011 01510 | 3475 | 2.2k, 1%, Metal Film . . . . .                                    | 2322 156 22202 |
| 3184 | 47k, 5%. . . . .                       | 3198 021 54730 | 3476 | 1.5 ohm, 5%, Fusible Resistor NFR25. .                            | 2306 204 03158 |
| 3185 | 150 ohm, 5%, 1/6W Carbon . . . . .     | 3198 011 01510 | 3477 | 220 ohm, 5%, 1/6W Carbon . . . . .                                | 3198 011 02210 |
| 3186 | 47k, 5%. . . . .                       | 3198 021 54730 | 3478 | 220 ohm, 5%, 1/6W Carbon . . . . .                                | 3198 011 02210 |
| 3200 | 390 ohm, 5%, 1/6W Carbon . . . . .     | 3198 011 03910 | 3479 | 1k, 5%, 1/6W Carbon. . . . .                                      | 3198 011 01020 |
| 3201 | 100 ohm, 5%, 1/6W Carbon . . . . .     | 3198 011 01010 | 3500 | 3.3Meg, 5% . . . . .  | 2322 242 13335 |
| 3202 | 100 ohm, 5%, 1/6W Carbon . . . . .     | 3198 011 01010 | 3501 | 3.3Meg, 5% . . . . .  | 2322 242 13335 |
| 3203 | 100 ohm, 5%, 1/6W Carbon . . . . .     | 3198 011 01010 | 3502 | 4.7 ohm, 20%, 3.1W, Negative Temperatur<br>e Coefficient. . . . . | 2122 612 00055 |
| 3204 | 10k, 5%, 1/6W Carbon . . . . .         | 3198 011 01030 | 3503 | 10 ohm, 30%, 120V, Positive Temperature<br>Coefficient. . . . .   | 2120 661 00026 |
| 3206 | 100k, 5% . . . . .                     | 3198 021 51040 | 3506 | 220 ohm, 20%, 1/2W Carbon. . . . .                                | 3198 013 02210 |
| 3207 | 1k, 5%, 1/6W Carbon. . . . .           | 3198 011 01020 | 3507 | Surge Protector DSP-301N-A21F. . . . .                            | 2422 549 43073 |
| 3208 | 220 ohm, 5%. . . . .                   | 3198 021 52210 | 3508 | 1.5Meg, 5% . . . . .  | 2322 242 13155 |
| 3209 | 68 ohm, 5% . . . . .                   | 3198 021 56890 | 3519 | 270 ohm, 5%, 1/6W Carbon . . . . .                                | 3198 011 02710 |
| 3212 | 470 ohm, 5%. . . . .                   | 3198 021 54710 | 3520 | 1.2k, 5% . . . . .  | 3198 021 51220 |
| 3213 | 560 ohm, 5%, 1/6W Carbon . . . . .     | 3198 011 05610 | 3521 | 22 ohm, 5%, 1/6W Carbon. . . . .                                  | 3198 011 02290 |
| 3217 | 330k, 5% . . . . .                     | 3198 021 53340 | 3522 | 330k, 5% . . . . .  | 3198 021 53340 |
| 3218 | 82k, 5%. . . . .                       | 3198 021 58230 | 3523 | 100 ohm, 5%, Fusible Resistor NFR25 . .                           | 2306 204 03101 |
| 3219 | 2.2k, 5% . . . . .                     | 3198 021 52220 | 3524 | 56k, 5%. . . . .  | 3198 021 55630 |
| 3220 | 100 ohm, 5%, 1/6W Carbon . . . . .     | 3198 011 01010 | 3525 | 1k, 5% . . . . .  | 3198 021 51020 |
| 3221 | 560 ohm, 5%, 1/6W Carbon . . . . .     | 3198 011 05610 | 3526 | 0.15 ohm, 5%, 1W, Power Resistor . . .                            | 3198 012 11570 |
| 3222 | 100 ohm, 5%, 1/6W Carbon . . . . .     | 3198 011 01010 | 3527 | 2.2k ohm, 5%, Fusible Resistor NFR25 . .                          | 2306 204 03222 |
| 3226 | 560 ohm, 5%. . . . .                   | 3198 021 55610 | 3528 | 10k, 5%. . . . .  | 3198 021 51030 |
| 3235 | 100 ohm, 5%, 1/6W Carbon . . . . .     | 3198 011 01010 | 3529 | 47k, 5%. . . . .  | 3198 021 54730 |
| 3241 | 22k, 5%. . . . .                       | 3198 021 52230 | 3530 | 4.7k, 5% . . . . .  | 3198 021 54720 |
| 3242 | 27k, 5%. . . . .                       | 3198 021 52730 | 3531 | Zero ohm "Chip" Jumper . . . . .                                  | 3198 021 90020 |
| 3244 | 820 ohm, 5%, 1/6W Carbon . . . . .     | 3198 011 08210 | 3541 | 470 ohm, 5%. . . . .  | 3198 021 54710 |
| 3245 | 39k, 5%. . . . .                       | 3198 021 53930 | 3542 | 1.5k, 5% . . . . .  | 3198 021 51520 |
| 3246 | 10k, 5%. . . . .                       | 3198 021 51030 | 3543 | 82k, 1%, Metal Film. . . . .                                      | 2322 156 28203 |
| 3247 | 220k, 5% . . . . .                     | 3198 021 52240 | 3544 | 6.8k, 1%, Metal Film . . . . .                                    | 2322 156 26802 |
| 3248 | 27k, 5%. . . . .                       | 3198 021 52730 | 3545 | 82k, 5%. . . . .  | 3198 021 58230 |
| 3249 | 820 ohm, 5%, 1/6W Carbon . . . . .     | 3198 011 08210 | 3546 | Zero ohm "Chip" Jumper . . . . .                                  | 3198 021 90020 |
| 3251 | 100 ohm, 5%, 1/6W Carbon . . . . .     | 3198 011 01010 | 3547 | 0.33 ohm, 5%, 1W, Power Resistor . . .                            | 3198 012 13370 |
| 3254 | 1M, 5% . . . . .                       | 3198 021 51050 | 3548 | 8.2k, 5% . . . . .  | 3198 021 58220 |
| 3256 | 1k, 5% . . . . .                       | 3198 021 51020 | 3549 | 470 ohm, 5%, 1/6W Carbon . . . . .                                | 3198 011 04710 |
| 3257 | 10Meg, 5%. . . . .                     | 3198 021 51060 | 3552 | 10k, 5%. . . . .  | 3198 021 51030 |
| 3258 | 330k, 5% . . . . .                     | 3198 021 53340 | 3559 | 1k, 5% . . . . .  | 3198 021 51020 |
| 3259 | 470k, 5% . . . . .                     | 3198 021 54740 | 3560 | 47 ohm, 5%, 1/6W Carbon. . . . .                                  | 3198 011 04790 |
| 3311 | 1.5k, 5% . . . . .                     | 3198 021 51520 | 3561 | 220 ohm, 5%, 1/6W Carbon . . . . .                                | 3198 011 02210 |
| 3312 | 330 ohm, 5%. . . . .                   | 3198 021 53310 | 3562 | 10k, 5%. . . . .  | 3198 021 51030 |
| 3313 | 10 ohm, 5% . . . . .                   | 3198 021 51090 | 3563 | 4.7k, 5% . . . . .  | 3198 021 54720 |
| 3314 | 18k, 5%, Metal Film. . . . .           | 2322 195 63183 | 3564 | 0.1 ohm, 5%, 2W, Power Resistor. . . .                            | 3198 012 21070 |
| 3316 | 68 ohm, 5%, Fusible Resistor NFR25 . . | 2306 204 03689 | 3565 | 330 ohm, 5%, 1W, Power Resistor. . . .                            | 3198 012 13310 |
| 3317 | 1.5k, 20%, 1/2W Carbon . . . . .       | 3198 013 01520 | 3566 | 2.2k, 5% . . . . .  | 3198 021 52220 |
| 3321 | 1.5k, 5% . . . . .                     | 3198 021 51520 | 3567 | 2.2k, 5% . . . . .  | 3198 021 52220 |
| 3322 | 330 ohm, 5%. . . . .                   | 3198 021 53310 | 3568 | 8.2k, 5% . . . . .  | 3198 021 58220 |
| 3323 | 10 ohm, 5% . . . . .                   | 3198 021 51090 | 3569 | 5.6k, 5% . . . . .  | 3198 021 55620 |
| 3324 | 18k, 5%, Metal Film. . . . .           | 2322 195 63183 | 3580 | 47k, 5%. . . . .  | 3198 021 54730 |
| 3326 | 68 ohm, 5%, Fusible Resistor NFR25 . . | 2306 204 03689 | 3601 | 8.2k, 5%, 1/6W Carbon. . . . .                                    | 3198 011 08220 |
| 3327 | 1.5k, 20%, 1/2W Carbon . . . . .       | 3198 013 01520 | 3603 | 100 ohm, 5%, 1/6W Carbon . . . . .                                | 3198 011 01010 |
| 3331 | 1.5k, 5% . . . . .                     | 3198 021 51520 | 3604 | 100 ohm, 5%, 1/6W Carbon . . . . .                                | 3198 011 01010 |
| 3332 | 330 ohm, 5%. . . . .                   | 3198 021 53310 |      |   |                |
| 3333 | 10 ohm, 5% . . . . .                   | 3198 021 51090 |      |   |                |

## 20LW202225 (continued)

|      |                             |                |      |  |                |
|------|-----------------------------|----------------|------|--|----------------|
| 3605 | 4.7k, 5%                    | 3198 021 54720 | 5202 | Fixed Inductor, 10uH, 10%              | 3198 018 21090 |
| 3606 | 2.2k, 5%, 1/6W Carbon       | 3198 011 02220 | 5241 | Fixed Inductor, 10uH, 10%              | 3198 018 21090 |
| 3607 | 2.2k, 5%, 1/6W Carbon       | 3198 011 02220 | 5242 | Fixed Inductor, 10uH, 5%               | 3198 018 11090 |
| 3608 | 100 ohm, 5%, 1/6W Carbon    | 3198 011 01010 | 5341 | Fixed Inductor, 12uH, 5% SPT0508       | 2422 535 95598 |
| 3610 | 8.2k, 5%, 1/6W Carbon       | 3198 011 08220 | 5342 | Fixed Inductor Bead, 100MHz            | 3198 018 90010 |
| 3611 | 100 ohm, 5%                 | 3198 021 51010 | 5403 | Fixed Inductor, 33uH, 10% LHL08        | 2422 535 94643 |
| 3618 | 6.8k, 5%, 1/6W Carbon       | 3198 011 06820 | 5408 | Fixed Inductor, 27uH, 5% SPT0508       | 2422 535 95366 |
| 3622 | 100 ohm, 5%                 | 3198 021 51010 | 5410 | Fixed Inductor, 27uH, 5% SPT0508       | 2422 535 95366 |
| 3623 | 4.7k, 5%                    | 3198 021 54720 | 5444 | Signal Driver Transformer SC10009-03   | 2422 531 02446 |
| 3624 | 100 ohm, 5%, 1/6W Carbon    | 3198 011 01010 | 5445 | LOT Transformer MSL0T4                 | 3128 138 21541 |
| 3625 | 100 ohm, 5%, 1/6W Carbon    | 3198 011 01010 | 5502 | AC Filter                              | 2422 549 44284 |
| 3626 | 4.7k, 5%                    | 3198 021 54720 | 5521 | Fixed Inductor Bead, 100MHz            | 3198 018 90010 |
| 3627 | 4.7k, 5%                    | 3198 021 54720 | 5560 | Fixed Inductor Bead, 100MHz            | 3198 018 90010 |
| 3628 | 10k, 5%                     | 3198 021 51030 | 5561 | Fixed Inductor, 27uH, 10%              | 3198 018 22790 |
| 3630 | 2.2k, 5%                    | 3198 021 52220 | 5562 | Fixed Inductor Bead, 100MHz            | 3198 018 90010 |
| 3632 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 5563 | Fixed Inductor Bead, 100MHz            | 3198 018 90010 |
| 3635 | 100 ohm, 5%, 1/6W Carbon    | 3198 011 01010 | 5602 | Fixed Inductor, 5.6uH, 5%              | 3198 018 15680 |
| 3636 | 100 ohm, 5%                 | 3198 021 51010 | 5603 | Fixed Inductor, 5.6uH, 5%              | 3198 018 15680 |
| 3681 | 390 ohm, 5%                 | 3198 021 53910 | 5604 | Fixed Inductor, 5.6uH, 5%              | 3198 018 15680 |
| 3682 | 3.3k, 5%                    | 3198 021 53320 | 5831 | Fixed Inductor, 6.8uH, 5%              | 3198 018 16880 |
| 3683 | 390 ohm, 5%                 | 3198 021 53910 | 5832 | Fixed Inductor, 6.8uH, 5%              | 3198 018 16880 |
| 3684 | 560 ohm, 5%                 | 3198 021 55610 | 5833 | Fixed Inductor, 6.8uH, 5%              | 3198 018 16880 |
| 3685 | 560 ohm, 5%                 | 3198 021 55610 | 5835 | Fixed Inductor 12uH, 10%               | 3198 018 31290 |
| 3686 | 1.5k, 5%                    | 3198 021 51520 | 6001 | Diode Regulator, BZX79-C33 (33Volt)    | 3198 010 23390 |
| 3691 | 330 ohm, 5%                 | 3198 021 53310 | 6201 | Diode, BAV21                           | 3198 010 10630 |
| 3693 | 220 ohm, 5%                 | 3198 021 52210 | 6202 | Diode, BAS316                          | 3198 010 10630 |
| 3694 | 4.7k, 5%                    | 3198 021 54720 | 6206 | Diode Regulator, BZX384-C6V8 (6.8Volt) | 3198 020 56880 |
| 3801 | 220 ohm, 5%, 1/6W Carbon    | 3198 011 02210 | 6241 | Diode Regulator, BZX384-C6V8 (6.8Volt) | 3198 020 56880 |
| 3802 | 1k, 5%, 1/6W Carbon         | 3198 011 01020 | 6311 | Diode, BAV21                           | 3198 010 10070 |
| 3803 | 100k, 5%                    | 3198 021 51040 | 6321 | Diode, BAV21                           | 3198 010 10070 |
| 3804 | 82k, 5%                     | 3198 021 58230 | 6331 | Diode, BAV21                           | 3198 010 10070 |
| 3805 | 1k, 5%                      | 3198 021 51020 | 6341 | Diode, BAV21                           | 3198 010 10070 |
| 3806 | 100k, 5%                    | 3198 021 51040 | 6342 | Diode, 1SS135                          | 9322 038 00673 |
| 3807 | 82k, 5%                     | 3198 021 58230 | 6343 | Diode Regulator, BZX384-C8V2 (8.2Volt) | 3198 020 58280 |
| 3808 | 1k, 5%, 1/6W Carbon         | 3198 011 01020 | 6401 | Diode, BAV21                           | 3198 010 10070 |
| 3831 | 47k, 5%                     | 3198 021 54730 | 6402 | Diode Rectifier, BYV27-200             | 9322 126 72673 |
| 3832 | 100 ohm, 5%, 1/6W Carbon    | 3198 011 01010 | 6404 | Diode Rectifier, BYD33D                | 9337 010 30133 |
| 3833 | 100 ohm, 5%, 1/6W Carbon    | 3198 011 01010 | 6405 | Diode Rectifier, BYD33D                | 9337 234 00133 |
| 3836 | 1k, 5%, 1/6W Carbon         | 3198 011 01020 | 6406 | Diode, BAV70                           | 9331 849 10215 |
| 3837 | 100 ohm, 5%, 1/6W Carbon    | 3198 011 01010 | 6407 | Diode, BAS316                          | 3198 010 10630 |
| 3838 | 1k, 5%                      | 3198 021 51020 | 6408 | Diode, BAS316                          | 3198 010 10630 |
| 3839 | 100 ohm, 5%, 1/6W Carbon    | 3198 011 01010 | 6409 | Diode Rectifier, BYD33D                | 9337 234 00133 |
| 3843 | 2.2k, 5%                    | 3198 021 52220 | 6410 | Diode Rectifier, BYD33D                | 9337 234 00133 |
| 3901 | 1k, 5%                      | 3198 021 51020 | 6413 | Diode, 1N4148                          | 3198 010 10010 |
| 3902 | 3.3k, 5%                    | 3198 021 53320 | 6414 | Diode Regulator, BZX79-B6V2 (6.2Volt)  | 9331 668 30133 |
| 3903 | 3.3k, 5%                    | 3198 021 53320 | 6415 | Diode, BAS316                          | 3198 010 10630 |
| 3904 | 10k, 5%                     | 3198 021 51030 | 6419 | Diode Regulator, BZX79-C5V6 (5.6Volt)  | 3198 010 25680 |
| 3905 | 3.3k, 5%                    | 3198 021 53320 | 6420 | Diode Regulator, BZX79-C9V1 (9.1Volt)  | 9331 177 80133 |
| 3906 | 10k, 5%                     | 3198 021 51030 | 6423 | Diode Rectifier, BYD33D                | 9337 234 00133 |
| 3907 | 8.2k, 5%                    | 3198 021 58220 | 6471 | Diode Rectifier, BYD33D                | 9337 234 00133 |
| 3981 | 120 ohm, 5%, 1/6W Carbon    | 3198 011 01210 | 6500 | Diode Rectifier, 1N5062                | 3198 010 10120 |
| 3982 | 120 ohm, 5%, 1/6W Carbon    | 3198 011 01210 | 6501 | Diode Rectifier, 1N5062                | 3198 010 10120 |
| 4001 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 6502 | Diode Rectifier, 1N5062                | 3198 010 10120 |
| 4002 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 6503 | Diode Rectifier, 1N5062                | 3198 010 10120 |
| 4101 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 6520 | Diode Rectifier, BYD33D                | 9337 234 00133 |
| 4102 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 6523 | Diode, 1N4148                          | 3198 010 10010 |
| 4104 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 6540 | Diode Regulator, BZX79-B6V2 (6.2Volt)  | 9331 668 30133 |
| 4121 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 6541 | Diode Regulator, BZX79-C10 (10Volt)    | 3198 010 21090 |
| 4181 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 6560 | Diode Rectifier, BYW76-RAS15/10        | 9322 127 32682 |
| 4209 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 6561 | Diode Rectifier, BYW76-RAS15/10        | 9322 127 32682 |
| 4216 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 6562 | Diode Rectifier, EGP20DL-5100          | 9322 164 42682 |
| 4217 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 6563 | Diode, BAS316                          | 3198 010 10630 |
| 4410 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 6565 | Diode, BAV70                           | 9331 849 10215 |
| 4501 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 6566 | Diode, BAS316                          | 3198 010 10630 |
| 4613 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 6569 | Diode, BAS316                          | 3198 010 10630 |
| 4614 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 6570 | Diode Regulator, BZX384-C6V8 (6.8Volt) | 3198 020 56880 |
| 4615 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 6580 | Diode, BAS316                          | 3198 010 10630 |
| 4616 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 6581 | Diode, BAS316                          | 3198 010 10630 |
| 4617 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 6681 | Diode, BAT85                           | 9336 247 60133 |
| 4618 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 6691 | LED, VS LTL-10224WHCR                  | 9322 050 99682 |
| 4619 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 6692 | IR Receiver, TSOP1836UH3V              | 9322 127 54667 |
| 4622 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 6831 | Diode, 1N4148                          | 3198 010 10010 |
| 4623 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 6901 | Diode, BAS316                          | 3198 010 10630 |
| 4691 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 7101 | Transistor BC847B                      | 3198 010 42030 |
| 4692 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 7200 | IC, 1US1 Software Cluster              | 9352 699 87557 |
| 4693 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 7201 | Transistor BC847B                      | 3198 010 42030 |
| 4802 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 7204 | Transistor BC857B                      | 3198 010 42150 |
| 4804 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 7205 | Transistor BC857B                      | 3198 010 42150 |
| 4811 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 7241 | Transistor PDTA114ET                   | 3198 010 44010 |
| 4812 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 7311 | Transistor BF422                       | 3198 020 43010 |
| 4813 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 7312 | Transistor BF422                       | 3198 020 43010 |
| 4814 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 7313 | Transistor BF423                       | 3198 020 43020 |
| 4831 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 7321 | Transistor BF422                       | 3198 020 43010 |
| 4833 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 7322 | Transistor BF422                       | 3198 020 43010 |
| 4835 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 7323 | Transistor BF423                       | 3198 020 43020 |
| 4901 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 7331 | Transistor BF422                       | 3198 020 43010 |
| 4903 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 7332 | Transistor BF422                       | 3198 020 43010 |
| 4911 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 7333 | Transistor BF423                       | 3198 020 43020 |
| 4982 | Zero ohm "Chip" Jumper      | 3198 021 90020 | 7401 | Transistor PDTC1432T                   | 9340 547 00215 |
| 5001 | Fixed Inductor, 5.6uH, 10%  | 3198 018 25680 | 7402 | Power Transistor BUT11APX-1200         | 9340 563 21127 |
| 5002 | Fixed Inductor, 0.82uH, 10% | 3198 018 18270 | 7403 | Transistor BC337-25                    | 3198 020 43530 |
| 5201 | Fixed Inductor, 6.8uH, 5%   | 3198 018 16880 | 7404 | Transistor BC636                       | 9332 219 50126 |

S = Safety Part Be sure to use exact replacement part.

## 20LW202225 (continued)

|      |                                    |                     |      |       |       |
|------|------------------------------------|---------------------|------|-------|-------|
| 7405 | Transistor                         | BC857B . . . . .    | 3198 | 010   | 42150 |
| 7406 | Transistor                         | BC857B . . . . .    | 3198 | 010   | 42150 |
| 7407 | Power Transistor                   | BD135-16. . . . .   | 3198 | 020   | 41190 |
| 7408 | Power Transistor                   | BD135-17. . . . .   | 3198 | 020   | 41190 |
| 7409 | Transistor                         | BC857B . . . . .    | 3198 | 010   | 42150 |
| 7471 | IC, TDA9302H . . . . .             | 9322                | 088  | 25682 |       |
| 7515 | Opto-Coupler, TCET1103(G). . . . . | 9322                | 140  | 14667 |       |
| 7520 | IC, TEA1507P/N1. . . . .           | 9352                | 673  | 56112 |       |
| 7521 | Power FET, STP5NC50FP. . . . .     | 9322                | 160  | 71687 |       |
| 7522 | Transistor                         | BC847B . . . . .    | 3198 | 010   | 42030 |
| 7540 | Transistor                         | BC547B. . . . .     | 3198 | 020   | 40030 |
| 7541 | Transistor                         | PDTCL14ET. . . . .  | 9340 | 310   | 10215 |
| 7542 | Transistor                         | BC857B . . . . .    | 3198 | 010   | 42150 |
| 7560 | IC, L78L33ACZ. . . . .             | 9322                | 134  | 92676 |       |
| 7561 | Transistor                         | PDTCL143ZT. . . . . | 9340 | 547   | 00215 |
| 7562 | Transistor                         | BC857B . . . . .    | 3198 | 010   | 42150 |
| 7564 | Transistor                         | BC857B . . . . .    | 3198 | 010   | 42150 |
| 7580 | Transistor                         | BC857B . . . . .    | 3198 | 010   | 42150 |
| 7602 | IC M24C16-WBN6 . . . . .           | 9322                | 147  | 25682 |       |
| 7801 | IC, HEF4052BT. . . . .             | 9333                | 729  | 50653 |       |
| 7802 | IC, HEF4053BT. . . . .             | 9333                | 729  | 60653 |       |
| 7803 | Transistor                         | BC847B . . . . .    | 3198 | 010   | 42030 |
| 7804 | Transistor                         | BC847B . . . . .    | 3198 | 010   | 42030 |
| 7831 | IC MSP3445G-PO-B8. . . . .         | 9322                | 160  | 81682 |       |
| 7901 | IC, AN7522N. . . . .               | 9322                | 158  | 65667 |       |
| 9121 | Jumper Wire. . . . .               | 0322                | 179  | 00003 |       |
| 9122 | Jumper Wire. . . . .               | 0322                | 179  | 00003 |       |
| 9181 | Jumper Wire. . . . .               | 0322                | 179  | 00003 |       |
| 9618 | Jumper Wire. . . . .               | 0322                | 179  | 00003 |       |
| 9814 | Jumper Wire. . . . .               | 0322                | 179  | 00003 |       |
| 9820 | Jumper Wire. . . . .               | 0322                | 179  | 00003 |       |
| 9821 | Jumper Wire. . . . .               | 0322                | 179  | 00003 |       |
| 9822 | Jumper Wire. . . . .               | 0322                | 179  | 00003 |       |
| 9824 | Jumper Wire. . . . .               | 0322                | 179  | 00003 |       |
| 9825 | Jumper Wire. . . . .               | 0322                | 179  | 00003 |       |
| 9826 | Jumper Wire. . . . .               | 0322                | 179  | 00003 |       |
| 9827 | Jumper Wire. . . . .               | 0322                | 179  | 00003 |       |
| 9828 | Jumper Wire. . . . .               | 0322                | 179  | 00003 |       |
| 9829 | Jumper Wire. . . . .               | 0322                | 179  | 00003 |       |
| 9830 | Jumper Wire. . . . .               | 0322                | 179  | 00003 |       |
| 9832 | Jumper Wire. . . . .               | 0322                | 179  | 00003 |       |
| 9833 | Jumper Wire. . . . .               | 0322                | 179  | 00003 |       |
| 9913 | Jumper Wire. . . . .               | 0322                | 179  | 00003 |       |
| 9914 | Jumper Wire. . . . .               | 0322                | 179  | 00003 |       |
| CBA  | Main Chassis . . . . .             | 3139                | 178  | 85501 |       |

### Model 20LW202/225 Cabinet Parts

|                                 |   |      |     |       |  |
|---------------------------------|---|------|-----|-------|--|
| Model 20LW202/225 Cabinet Parts |   |      |     |       |  |
| S AC01                          | AC Power Cord. . . . .  | 3135 | 010 | 04751 |  |
| AC03                            | Cabinet Back . . . . .  | 3139 | 124 | 35351 |  |
| AC04                            | Cabinet Front. . . . .  | 3139 | 137 | 83621 |  |
| AC05                            | Chassis Guide. . . . .  | 3135 | 014 | 00691 |  |
| AC06                            | Control Buttons. . . . .                                      | 3139 | 137 | 83601 |  |
| S AC08                          | CRT A48KRD89X04. . . . .                                      | 9322 | 139 | 63682 |  |
| S AC09                          | Degaussing Coil. . . . .                                      | 2422 | 549 | 44428 |  |
| AC10                            | Deguassing Coil Holder (2 used). . . . .                      | 3135 | 013 | 01641 |  |
| AC11                            | Light Guide. . . . .  | 3139 | 124 | 36021 |  |
| AC13                            | Owner's Manual . . . . .                                      | 3121 | 235 | 20071 |  |
| AC14                            | Power Button . . . . .  | 3139 | 137 | 83611 |  |
| AC15                            | Remote Transmitter . . . . .                                  | 3139 | 228 | 86491 |  |
| AC16                            | Speaker, 5W, 16 ohm (2 used) . . . . .                        | 2422 | 264 | 00411 |  |
| S AC18                          | ITC = Integrated Tube Component, CRT & Yoke Pre-Set . . . . . | 0000 | 000 | 00ITC |  |
| AC21                            | Batteries f Remote Transmitter . . . . .                      | 9299 | 000 | 65263 |  |
| AC24                            | Degaussing Coil Spring . . . . .                              | 3139 | 121 | 26231 |  |
| AC32                            | Assembly Braid . . . . .                                      | 3135 | 010 | 07321 |  |



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## Main Chassis

|        |   |      |     |       |        |   |      |     |       |
|--------|---|------|-----|-------|--------|---|------|-----|-------|
|        | Main Chassis                            |      |     |       | 2416   | Cap, 820p, 10%, 2000v, Ceramic          | 2020 | 558 | 90486 |
| 0139   | IC-SPRING 7402                          | 3139 | 121 | 24581 | 2417   | Cap, 1000u, 20%, 16v, Electrolytic      | 2020 | 021 | 91049 |
| 0040   | Cinch Housing                           | 3139 | 124 | 23602 | 2418   | Cap, 10n, 10%, 50v, Ceramic             | 3198 | 017 | 01030 |
| 0121   | Heatsink                                | 3139 | 121 | 26992 | 2419   | Cap, 1u, 20%, 50v, Electrolytic         | 2020 | 021 | 91147 |
| 0122   | Heatsink                                | 3139 | 121 | 26952 | 2420   | Cap, 1u, 20%, 50v, Electrolytic         | 3198 | 025 | 51080 |
| 0124   | Heatsink                                | 3139 | 121 | 26941 | 2421   | Cap, 47n, +80/-20%, 50v, Ceramic        | 3198 | 017 | 24730 |
| 0127   | Socket, Fuse, 2 Pin                     | 2422 | 088 | 00271 | 2422   | Cap, 470u, 20%, 16v, Electrolytic       | 2020 | 021 | 91577 |
| 0137   | Spring                                  | 3139 | 121 | 24581 | 2423   | Cap, 10u, 20%, 100v, Electrolytic       | 2020 | 021 | 90813 |
| 0138   | IC-Spring                               | 3104 | 301 | 22081 | 2471   | Cap, 100n, 10%, 50v, Polyester          | 3198 | 014 | 01040 |
| 0139   | Spring, for Bracket                     | 3122 | 121 | 24786 | 2472   | Cap, 100n, 10%, 50v, Polyester          | 3198 | 014 | 01040 |
| 0211   | Connector, 2 Pin                        | 2422 | 025 | 16269 | 2473   | Cap, 100u, 20%, 50v, Electrolytic       | 2020 | 021 | 90587 |
| 0212   | Connector, 2 Pin                        | 2422 | 025 | 16375 | 2475   | Cap, 470p, 5%, 50v, Ceramic             | 3198 | 016 | 04710 |
| 0217   | Connector, 3 Pin                        | 2412 | 020 | 00725 | 2476   | Cap, 220n, 10%, 50v, Polyester          | 3198 | 014 | 02240 |
| 0218   | Socket, Cinch, 2 Pin                    | 2422 | 026 | 06437 | 2477   | Cap, 470p, 5%, 50v, Ceramic             | 3198 | 016 | 04710 |
| 0220   | Connector, 3 Pin                        | 2422 | 025 | 04851 | 2500   | Cap, 470n, 20%, 275v, Polypropylene     | 2222 | 336 | 29148 |
| 0221   | Connector, 4 Pin                        | 2422 | 025 | 15503 | 2501   | Cap, 2n2, 10%, 1000v, Ceramic           | 3198 | 019 | 52220 |
| 0222   | Connector, 2 Pin                        | 2422 | 025 | 10646 | 2502   | Cap, 2n2, 10%, 1000v, Ceramic           | 3198 | 019 | 52220 |
| 0232   | Socket, Phone                           | 2422 | 026 | 04747 | 2503   | Cap, 220u, 20%, 200v, Electrolytic      | 2020 | 024 | 90585 |
| 0243   | Connector, 6 Pin                        | 2422 | 025 | 04854 | 2506   | Cap, 2n2, 10%, 1000v, Ceramic           | 3198 | 019 | 52220 |
| 0244   | Connector, 3 Pin                        | 2422 | 025 | 04851 | 2508   | Cap, 470p, 10%, 1000v, Ceramic          | 3198 | 019 | 64710 |
| 0245   | Connector, 6 Pin                        | 2422 | 025 | 04854 | S 2515 | Cap, 1n5, 20%, v, Ceramic               | 2020 | 554 | 90128 |
| 0246   | Connector, 3 Pin                        | 2422 | 025 | 16382 | 2520   | Cap, 100n, 10%, 16v, Ceramic            | 3198 | 017 | 01040 |
| S 0254 | Socket, CRT, 9 Pin, M-Neck              | 2422 | 500 | 80077 | 2521   | Cap, 22u, 20%, 50v, Electrolytic        | 3198 | 025 | 52290 |
| 0320   | Factory Plate                           | 3122 | 120 | 01701 | 2522   | Cap, 100n, 10%, 16v, Ceramic            | 3198 | 017 | 01040 |
| 1000   | Tuner, V+U PLL                          | 2422 | 542 | 90108 | 2523   | Cap, 1n5, 10%, 2000v, Ceramic           | 2020 | 558 | 90489 |
| 1002   | Filter, SAW 45MHz75                     | 2422 | 549 | 44327 | 2525   | Cap, 470p, 10%, 50v, Ceramic            | 3198 | 017 | 04710 |
| 1200   | Filter, Ceramic, 4MHz5                  | 2422 | 549 | 40807 | 2526   | Cap, 1n, 10%, 50v, Ceramic              | 3198 | 017 | 01020 |
| S 1500 | Fuse, 4A, 250V IEC                      | 2422 | 086 | 10869 | 2527   | Cap, 470p, 10%, 50v, Ceramic            | 3198 | 017 | 04710 |
| S 1515 | Relay, 1 Pin, 12V, 5A                   | 2422 | 132 | 07444 | 2540   | Cap, 15n, 10%, 50v, Ceramic             | 3198 | 017 | 01530 |
| 1600   | Switch, Tactile                         | 2422 | 128 | 02742 | 2560   | Cap, 1n, 10%, 1000v, Ceramic            | 3198 | 019 | 61020 |
| 1601   | Switch, Tactile                         | 2422 | 128 | 02742 | 2561   | Cap, 47u, 20%, 160v, Electrolytic       | 2020 | 021 | 91358 |
| 1602   | Switch, Tactile                         | 2422 | 128 | 02742 | 2562   | Cap, 1n, 10%, 50v, Ceramic              | 3198 | 019 | 11020 |
| 1603   | Switch, Tactile                         | 2422 | 128 | 02742 | 2563   | Cap, 100n, 10%, 50v, Polyester          | 3198 | 014 | 01040 |
| 1606   | Switch, Tactile                         | 2422 | 128 | 02742 | 2564   | Cap, 2u2, 20%, 16v, Electrolytic        | 2020 | 012 | 93057 |
| 1660   | Crystal, 12MHz000                       | 2422 | 543 | 01203 | 2565   | Cap, 470p, 10%, 1000v, Ceramic          | 3198 | 019 | 64710 |
| 2004   | Cap, 47n, 10%, 25v, Ceramic             | 3198 | 023 | 04730 | 2567   | Cap, 47u, 20%, 25v, Electrolytic        | 3198 | 025 | 34790 |
| 2005   | Cap, 10u, 20%, 50v, Electrolytic        | 3198 | 025 | 51090 | 2568   | Cap, 1u, 20%, 50v, Electrolytic         | 3198 | 025 | 51080 |
| 2006   | Cap, 470u, 20%, 16v, Electrolytic       | 3198 | 025 | 24710 | 2569   | Cap, 470p, 10%, 50v, Ceramic            | 3198 | 017 | 04710 |
| 2007   | Cap, 100n, +80/-20%, 25v, Ceramic       | 3198 | 023 | 21040 | 2580   | Cap, 47u, 20%, 25v, Electrolytic        | 3198 | 025 | 34790 |
| 2008   | Cap, 100u, 20%, 25v, Electrolytic       | 3198 | 025 | 31010 | 2601   | Cap, 220n, +80/-20%, 25v, Ceramic       | 3198 | 023 | 22240 |
| 2009   | Cap, 22n, 10%, 50v, Ceramic             | 3198 | 017 | 02230 | 2602   | Cap, 100p, 5%, 50v, Ceramic             | 3198 | 016 | 01010 |
| 2181   | Cap, 22p, 5%, 50v, Ceramic              | 3198 | 016 | 02290 | 2606   | Cap, 1n, 5%, 50v, Ceramic               | 3198 | 016 | 01020 |
| 2182   | Cap, 330p, 5%, 50v, Ceramic             | 3198 | 016 | 03310 | 2607   | Cap, 33p, 5%, 50v, Ceramic              | 3198 | 016 | 03390 |
| 2184   | Cap, 2u2, +80/-20%, 10v, Ceramic        | 3198 | 017 | 22250 | 2608   | Cap, 1u, +80/-20%, 16v, Ceramic         | 3198 | 017 | 21050 |
| 2202   | Cap, 100n, +80/-20%, 25v, Ceramic       | 3198 | 023 | 21040 | 2609   | Cap, 33p, 5%, 50v, Ceramic              | 3198 | 016 | 03390 |
| 2203   | Cap, 100n, +80/-20%, 25v, Ceramic       | 3198 | 023 | 21040 | 2611   | Cap, 1u, +80/-20%, 16v, Ceramic         | 3198 | 017 | 21050 |
| 2204   | Cap, 100n, +80/-20%, 25v, Ceramic       | 3198 | 023 | 21040 | 2612   | Cap, 68p, 5%, 50v, Ceramic              | 3198 | 016 | 06890 |
| 2205   | Cap, 220n, +80/-20%, 25v, Ceramic       | 3198 | 023 | 22240 | 2613   | Cap, 68p, 5%, 50v, Ceramic              | 3198 | 016 | 06890 |
| 2208   | Cap, 100n, +80/-20%, 25v, Ceramic       | 3198 | 023 | 21040 | 2615   | Cap, 1n, 5%, 50v, Ceramic               | 3198 | 016 | 01020 |
| 2209   | Cap, 4u7, 20%, 50v, Electrolytic        | 3198 | 025 | 54780 | 2618   | Cap, 1u, +80/-20%, 16v, Ceramic         | 3198 | 017 | 21050 |
| 2210   | Cap, 470n, 20%, 50v, Electrolytic       | 3198 | 025 | 54770 | 2619   | Cap, 1u, +80/-20%, 16v, Ceramic         | 3198 | 017 | 21050 |
| 2211   | Cap, 470n, +80/-20%, 16v, Ceramic       | 3198 | 017 | 24740 | 2691   | Cap, 100u, 20%, 25v, Electrolytic       | 3198 | 025 | 31010 |
| 2216   | Cap, 470u, 20%, 16v, Electrolytic       | 3198 | 025 | 24710 | 2902   | Cap, 220u, 20%, 50v, Electrolytic       | 3198 | 026 | 52210 |
| 2217   | Cap, 22n, 10%, 50v, Ceramic             | 3198 | 017 | 02230 | 2903   | Cap, 1u, 20%, 50v, Electrolytic         | 3198 | 025 | 51080 |
| 2219   | Cap, 220n, +80/-20%, 25v, Ceramic       | 3198 | 023 | 22240 | 2904   | Cap, 1u, +80/-20%, 16v, Ceramic         | 3198 | 017 | 21050 |
| 2226   | Cap, 4n7, 10%, 50v, Ceramic             | 3198 | 017 | 04720 | 2905   | Cap, 1n, 5%, 50v, Ceramic               | 3198 | 016 | 01020 |
| 2227   | Cap, 4n7, 10%, 50v, Ceramic             | 3198 | 017 | 04720 | 2908   | Cap, 10u, 20%, 50v, Electrolytic        | 3198 | 025 | 51090 |
| 2228   | Cap, 820p, 5%, 50v, Ceramic             | 3198 | 016 | 08210 | 2941   | Cap, 1u, 20%, 50v, Electrolytic         | 3198 | 025 | 51080 |
| 2229   | Cap, 10u, 20%, 50v, Electrolytic        | 3198 | 025 | 51090 | 2942   | Cap, 33n, 10%, 50v, Ceramic             | 3198 | 017 | 03330 |
| 2233   | Cap, 820p, 5%, 50v, Ceramic             | 3198 | 016 | 08210 | 2943   | Cap, 100n, 10%, 16v, Ceramic            | 3198 | 017 | 01040 |
| 2241   | Cap, 1n5, 10%, 50v, Ceramic             | 3198 | 017 | 01520 | 2944   | Cap, 47n, +80/-20%, 50v, Ceramic        | 3198 | 017 | 24730 |
| 2242   | Cap, 1u, +80/-20%, 16v, Ceramic         | 3198 | 017 | 21050 | 2945   | Cap, 10n, 10%, 50v, Ceramic             | 3198 | 017 | 01030 |
| 2243   | Cap, 2n2, 10%, 50v, Ceramic             | 3198 | 017 | 02220 | 2946   | Cap, 1u, +80/-20%, 16v, Ceramic         | 3198 | 017 | 21050 |
| 2244   | Cap, 100n, 10%, 63v, Metalized Polyeste | 2222 | 370 | 75104 | 2950   | Cap, 330p, 5%, 50v, Ceramic             | 3198 | 016 | 03310 |
| 2245   | Cap, 220n, +80/-20%, 25v, Ceramic       | 3198 | 023 | 22240 | 2981   | Cap, 10u, 20%, 50v, Electrolytic        | 3198 | 025 | 51090 |
| 2246   | Cap, 4u7, 20%, 50v, Electrolytic        | 3198 | 025 | 54780 | 2982   | Cap, 470p, 5%, 50v, Ceramic             | 3198 | 016 | 04710 |
| 2247   | Cap, 470u, 20%, 16v, Electrolytic       | 3198 | 025 | 24710 | 2983   | Cap, 10u, 20%, 50v, Electrolytic        | 3198 | 025 | 51090 |
| 2248   | Cap, 22n, 10%, 50v, Ceramic             | 3198 | 017 | 02230 | 2984   | Cap, 470p, 5%, 50v, Ceramic             | 3198 | 016 | 04710 |
| 2249   | Cap, 22n, 10%, 50v, Ceramic             | 3198 | 017 | 02230 | 3000   | Res, 100 ohm, 5%, 1/6W, Carbon Film     | 3198 | 011 | 01010 |
| 2250   | Cap, 2u2, 20%, 50v, Electrolytic        | 3198 | 025 | 52280 | 3001   | Res, 100 ohm, 5%, 1/6W, Carbon Film     | 3198 | 011 | 01010 |
| 2252   | Cap, 1n, 5%, 50v, Ceramic               | 3198 | 016 | 01020 | 3002   | Res, Zero ohm, "Chip" Jumper            | 3198 | 021 | 90020 |
| 2253   | Cap, 1n, 5%, 50v, Ceramic               | 3198 | 016 | 01020 | 3003   | Res, 1K5, 5%, 1/10W, Metalized Glass    | 3198 | 021 | 51520 |
| 2254   | Cap, 100p, 5%, 50v, Ceramic             | 3198 | 016 | 01010 | 3004   | Res, 8K2, 5%, 1/10W, Metalized Glass    | 3198 | 021 | 58220 |
| 2313   | Cap, 220p, 5%, 50v, Ceramic             | 3198 | 016 | 02210 | 3005   | Res, 100 ohm, 5%, 1/6W, Carbon Film     | 3198 | 011 | 01010 |
| 2323   | Cap, 390p, 5%, 50v, Ceramic             | 3198 | 016 | 03910 | 3181   | Res, 75 ohm, 5%, 1/6W, Carbon Film      | 3198 | 011 | 07590 |
| 2331   | Cap, 390p, 5%, 50v, Ceramic             | 3198 | 016 | 03910 | 3182   | Res, 100 ohm, 5%, 1/6W, Carbon Film     | 3198 | 011 | 01010 |
| 2341   | Cap, 2n2, 10%, 1000v, Ceramic           | 2020 | 558 | 90571 | 3183   | Res, 150 ohm, 5%, 1/6W, Carbon Film     | 3198 | 011 | 01510 |
| 2342   | Cap, 47n, 10%, 250v, Metalized Polyeste | 2222 | 365 | 45473 | 3184   | Res, 47K, 5%, 1/10W, Metalized Glass    | 3198 | 021 | 54730 |
| 2343   | Cap, 47n, 10%, 250v, Metalized Polyeste | 2222 | 365 | 45473 | 3200   | Res, 390 ohm, 5%, 1/6W, Carbon Film     | 3198 | 011 | 03910 |
| 2401   | Cap, 680p, 10%, 50v, Ceramic            | 3198 | 019 | 16810 | 3201   | Res, 100 ohm, 5%, 1/6W, Carbon Film     | 3198 | 011 | 01010 |
| 2402   | Cap, 820n, 5%, 250v, Metalized Polyprop | 2222 | 479 | 90029 | 3202   | Res, 100 ohm, 5%, 1/6W, Carbon Film     | 3198 | 011 | 01010 |
| 2405   | Cap, 1n, 5%, 50v, Ceramic               | 3198 | 016 | 01020 | 3203   | Res, 100 ohm, 5%, 1/6W, Carbon Film     | 3198 | 011 | 01010 |
| 2406   | Cap, 330p, 5%, 50v, Ceramic             | 3198 | 016 | 03310 | 3204   | Res, 10K, 5%, 1/6W, Carbon Film         | 3198 | 011 | 01030 |
| 2407   | Cap, 10n, 5%, 1600v, Polypropylene      | 2222 | 375 | 90154 | 3206   | Res, 100K, 5%, 1/10W, Metalized Glass   | 3198 | 021 | 51040 |
| 2408   | Cap, 22n, +80/-20%, 50v, Ceramic        | 3198 | 019 | 22230 | 3207   | Res, 1K, 5%, 1/6W, Carbon Film          | 3198 | 011 | 01020 |
| 2409   | Cap, 47u, 20%, 160v, Electrolytic       | 2020 | 021 | 91139 | 3208   | Res, 220 ohm, 5%, 1/10W, Metalized Glas | 3198 | 021 | 52210 |
| 2410   | Cap, 470u, 20%, 16v, Electrolytic       | 2020 | 021 | 91577 | 3209   | Res, 68 ohm, 5%, 1/10W, Metalized Glass | 3198 | 021 | 56890 |
| 2411   | Cap, 47u, 20%, 25v, Electrolytic        | 2020 | 021 | 90586 | 3212   | Res, 470 ohm, 5%, 1/10W, Metalized Glas | 3198 | 021 | 54710 |
| 2412   | Cap, 33n, 10%, 100v, Polyester          | 2222 | 347 | 90236 | 3213   | Res, 560 ohm, 5%, 1/6W, Carbon Film     | 3198 | 011 | 05610 |
| 2413   | Cap, 10u, 20%, 250v, Electrolytic       | 2020 | 012 | 93495 | 3217   | Res, 330K, 5%, 1/10W, Metalized Glass   | 3198 | 021 | 53340 |
| 2414   | Cap, 1000u, 20%, 16v, Electrolytic      | 2020 | 021 | 91049 | 3218   | Res, 82K, 5%, 1/10W, Metalized Glass    | 3198 | 021 | 58230 |

S = Safety Part      Be sure to use exact replacement part.

# 20LX200122 (continued)

|        |  |                |      |   |                |
|--------|--|----------------|------|---|----------------|
| 3219   | Res, 2K2, 5%, 1/10W, Metalized Glass .   | 3198 021 52220 | 3526 | Res, 0R15, 5%, 3/5W, Metal Film. . . .  | 3198 012 11570 |
| 3226   | Res, 560 ohm, 5%, 1/10W, Metalized Glas  | 3198 021 55610 | 3527 | Res, 2K2, 5%, 1/3W, Metal Film . . . .  | 2306 204 03222 |
| 3232   | Res, 2K2, 5%, 1/10W, Metalized Glass .   | 3198 021 52220 | 3528 | Res, 10K, 5%, 1/10W, Metalized Glass .  | 3198 021 51030 |
| 3235   | Res, 100 ohm, 5%, 1/6W, Carbon Film. .   | 3198 011 01010 | 3529 | Res, 47K, 5%, 1/10W, Metalized Glass .  | 3198 021 54730 |
| 3241   | Res, 22K, 5%, 1/10W, Metalized Glass .   | 3198 021 52230 | 3530 | Res, 4K7, 5%, 1/10W, Metalized Glass .  | 3198 021 54720 |
| 3242   | Res, 12K, 5%, 1/10W, Metalized Glass .   | 3198 021 51230 | 3531 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 |
| 3244   | Res, 820 ohm, 5%, 1/6W, Carbon Film. .   | 3198 011 08210 | 3541 | Res, 470 ohm, 5%, 1/10W, Metalized Glas | 3198 021 54710 |
| 3245   | Res, 39K, 5%, 1/10W, Metalized Glass .   | 3198 021 53930 | 3542 | Res, 1K5, 5%, 1/10W, Metalized Glass .  | 3198 021 51520 |
| 3246   | Res, 10K, 5%, 1/10W, Metalized Glass .   | 3198 021 51030 | 3543 | Res, 82K, 1%, 3/5W, Metal Film . . . .  | 2312 915 18203 |
| 3247   | Res, 220K, 5%, 1/10W, Metalized Glass.   | 3198 021 52240 | 3544 | Res, 6K8, 1%, 3/5W, Metal Film . . . .  | 2312 915 16802 |
| 3248   | Res, 27K, 5%, 1/10W, Metalized Glass .   | 3198 021 52730 | 3545 | Res, 82K, 5%, 1/10W, Metalized Glass .  | 3198 021 58230 |
| 3249   | Res, 820 ohm, 5%, 1/6W, Carbon Film. .   | 3198 011 08210 | 3546 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 |
| 3251   | Res, 100 ohm, 5%, 1/6W, Carbon Film. .   | 3198 011 01010 | 3547 | Res, 0R33, 5%, 3/5W, Metal Film. . . .  | 3198 012 13370 |
| 3254   | Res, 1M, 5%, 1/10W, Metalized Glass. .   | 3198 021 51050 | 3548 | Res, 8K2, 5%, 1/10W, Metalized Glass .  | 3198 021 58220 |
| 3256   | Res, 1K, 5%, 1/10W, Metalized Glass. .   | 3198 021 51020 | 3549 | Res, 220 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 02210 |
| 3257   | Res, 10M, 5%, 1/10W, Metalized Glass .   | 3198 021 51060 | 3552 | Res, 10K, 5%, 1/10W, Metalized Glass .  | 3198 021 51030 |
| 3258   | Res, 330K, 5%, 1/10W, Metalized Glass.   | 3198 021 53340 | 3559 | Res, 1K, 5%, 1/10W, Metalized Glass. .  | 3198 021 51020 |
| 3259   | Res, 470K, 5%, 1/10W, Metalized Glass.   | 3198 021 54740 | 3561 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 |
| 3311   | Res, 1K5, 5%, 1/10W, Metalized Glass .   | 3198 021 51520 | 3562 | Res, 10K, 5%, 1/10W, Metalized Glass .  | 3198 021 51030 |
| 3312   | Res, 330 ohm, 5%, 1/10W, Metalized Glas  | 3198 021 53310 | 3563 | Res, 4K7, 5%, 1/10W, Metalized Glass .  | 3198 021 54720 |
| 3313   | Res, 10 ohm, 5%, 1/10W, Metalized Glass  | 3198 021 51090 | 3564 | Res, 4R7, 5%, 1 1/3W, Metal Film . . .  | 3198 012 24780 |
| 3314   | Res, 18K, 5%, 2 1/2W, Metal Film . . . . | 2322 195 63183 | 3565 | Res, 330 ohm, 5%, 1W, Metal Film . . .  | 3198 012 13310 |
| S 3316 | Res, 68 ohm, 5%, 1/3W, Metal Film. . . . | 2306 204 03689 | 3566 | Res, 2K2, 5%, 1/10W, Metalized Glass .  | 3198 021 52220 |
| 3317   | Res, 1K5, 20%, 1/2W, Carbon Film . . . . | 3198 013 01520 | 3569 | Res, 5K6, 5%, 1/10W, Metalized Glass .  | 3198 021 55620 |
| 3321   | Res, 1K5, 5%, 1/10W, Metalized Glass .   | 3198 021 51520 | 3580 | Res, 47K, 5%, 1/10W, Metalized Glass .  | 3198 021 54730 |
| 3322   | Res, 330 ohm, 5%, 1/10W, Metalized Glas  | 3198 021 53310 | 3603 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 |
| 3323   | Res, 10 ohm, 5%, 1/10W, Metalized Glass  | 3198 021 51090 | 3604 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 |
| 3324   | Res, 18K, 5%, 2 1/2W, Metal Film . . . . | 2322 195 63183 | 3605 | Res, 4K7, 5%, 1/10W, Metalized Glass .  | 3198 021 54720 |
| S 3326 | Res, 68 ohm, 5%, 1/3W, Metal Film. . . . | 2306 204 03689 | 3606 | Res, 2K2, 5%, 1/6W, Carbon Film. . . .  | 3198 011 02220 |
| 3327   | Res, 1K5, 20%, 1/2W, Carbon Film . . . . | 3198 013 01520 | 3607 | Res, 2K2, 5%, 1/6W, Carbon Film. . . .  | 3198 011 02220 |
| 3331   | Res, 1K5, 5%, 1/10W, Metalized Glass .   | 3198 021 51520 | 3608 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 |
| 3332   | Res, 330 ohm, 5%, 1/10W, Metalized Glas  | 3198 021 53310 | 3611 | Res, 100 ohm, 5%, 1/10W, Metalized Glas | 3198 021 51010 |
| 3333   | Res, 10 ohm, 5%, 1/10W, Metalized Glass  | 3198 021 51090 | 3614 | Res, 4K7, 5%, 1/6W, Carbon Film. . . .  | 3198 011 04720 |
| 3334   | Res, 18K, 5%, 2 1/2W, Metal Film . . . . | 2322 195 63183 | 3615 | Res, 10K, 5%, 1/6W, Carbon Film. . . .  | 3198 011 01030 |
| S 3336 | Res, 68 ohm, 5%, 1/3W, Metal Film. . . . | 2306 204 03689 | 3617 | Res, 4K7, 5%, 1/6W, Carbon Film. . . .  | 3198 011 04720 |
| 3337   | Res, 1K5, 20%, 1/2W, Carbon Film . . . . | 3198 013 01520 | 3618 | Res, 6K8, 5%, 1/6W, Carbon Film. . . .  | 3198 011 06820 |
| 3341   | Res, 1K5, 20%, 1/2W, Carbon Film . . . . | 3198 013 01520 | 3619 | Res, 8K2, 5%, 1/6W, Carbon Film. . . .  | 3198 011 08220 |
| S 3347 | Res, 220 ohm, 5%, 1/3W, Metal Film . . . | 2306 204 03221 | 3622 | Res, 100 ohm, 5%, 1/10W, Metalized Glas | 3198 021 51010 |
| 3348   | Res, 1K5, 20%, 1/2W, Carbon Film . . . . | 3198 013 01520 | 3623 | Res, 4K7, 5%, 1/10W, Metalized Glass .  | 3198 021 54720 |
| S 3349 | Res, 1R2, 5%, 1/3W, Metal Film . . . . . | 2306 204 03128 | 3624 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 |
| S 3350 | Res, 1R2, 5%, 1/3W, Metal Film . . . . . | 2306 204 03128 | 3625 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 |
| 3401   | Res, 330K, 5%, 1/2W, Metalized Glass .   | 2322 242 13334 | 3626 | Res, 4K7, 5%, 1/10W, Metalized Glass .  | 3198 021 54720 |
| 3402   | Res, 18K, 5%, 1/6W, Carbon Film. . . .   | 3198 011 01830 | 3627 | Res, 4K7, 5%, 1/10W, Metalized Glass .  | 3198 021 54720 |
| 3403   | Res, 22 ohm, 5%, 2 1/2W, Metal Film. . . | 3198 012 32290 | 3628 | Res, 10K, 5%, 1/10W, Metalized Glass .  | 3198 021 51030 |
| 3404   | Res, 6R8, 5%, 1/3W, Metal Film . . . . . | 2306 204 03688 | 3630 | Res, 2K2, 5%, 1/10W, Metalized Glass .  | 3198 021 52220 |
| 3406   | Res, 10K, 5%, 1/6W, Carbon Film. . . .   | 3198 011 01030 | 3632 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 |
| 3407   | Res, 220 ohm, 5%, 2 1/2W, Metal Film. .  | 3198 012 32210 | 3636 | Res, 100 ohm, 5%, 1/10W, Metalized Glas | 3198 021 51010 |
| 3408   | Res, 1K, 5%, 1/6W, Carbon Film . . . . . | 3198 011 01020 | 3681 | Res, 390 ohm, 5%, 1/10W, Metalized Glas | 3198 021 53910 |
| 3410   | Res, 33K, 5%, 1/10W, Metalized Glass .   | 3198 021 53330 | 3682 | Res, 3K3, 5%, 1/10W, Metalized Glass .  | 3198 021 53320 |
| S 3411 | Res, 10 ohm, 5%, 1/3W, Metal Film. . . . | 2306 204 03109 | 3683 | Res, 390 ohm, 5%, 1/10W, Metalized Glas | 3198 021 53910 |
| 3412   | Res, 3K3, 1%, 3/5W, Metal Film . . . . . | 2312 915 13302 | 3684 | Res, 560 ohm, 5%, 1/10W, Metalized Glas | 3198 021 55610 |
| 3413   | Res, 10K, 5%, 1/10W, Metalized Glass .   | 3198 021 51030 | 3685 | Res, 560 ohm, 5%, 1/10W, Metalized Glas | 3198 021 55610 |
| 3414   | Res, 1K5, 1%, 3/5W, Metal Film . . . . . | 2312 915 11502 | 3686 | Res, 1K5, 5%, 1/10W, Metalized Glass .  | 3198 021 51520 |
| 3415   | Res, 1K, 5%, 1/6W, Carbon Film . . . . . | 3198 011 01020 | 3691 | Res, 330 ohm, 5%, 1/10W, Metalized Glas | 3198 021 53310 |
| S 3416 | Res, 3R9, 5%, 1/2W, Metal Film . . . . . | 2306 207 03398 | 3693 | Res, 220 ohm, 5%, 1/10W, Metalized Glas | 3198 021 52210 |
| 3417   | Res, 33K, 5%, 1/6W, Carbon Film. . . . . | 3198 011 03330 | 3694 | Res, 4K7, 5%, 1/10W, Metalized Glass .  | 3198 021 54720 |
| 3418   | Res, 33K, 5%, 1/10W, Metalized Glass .   | 3198 021 53330 | 3901 | Res, 1K, 5%, 1/10W, Metalized Glass .   | 3198 021 51020 |
| 3419   | Res, 6K8, 5%, 1/10W, Metalized Glass .   | 3198 021 56820 | 3902 | Res, 3K3, 5%, 1/10W, Metalized Glass .  | 3198 021 53320 |
| 3420   | Res, 33K, 5%, 1/10W, Metalized Glass .   | 3198 021 53330 | 3903 | Res, 8K2, 5%, 1/10W, Metalized Glass .  | 3198 021 58220 |
| 3421   | Res, 6R8, 5%, 1 1/3W, Metal Film . . . . | 3198 012 26880 | 3904 | Res, 10K, 5%, 1/10W, Metalized Glass .  | 3198 021 51030 |
| 3422   | Res, 100 ohm, 5%, 1/10W, Metalized Glas  | 3198 021 51010 | 3907 | Res, 8K2, 5%, 1/10W, Metalized Glass .  | 3198 021 58220 |
| 3423   | Res, 820 ohm, 5%, 1/10W, Metalized Glas  | 3198 021 58210 | 3941 | Res, 100 ohm, 5%, 1/10W, Metalized Glas | 3198 021 51010 |
| 3424   | Res, 100 ohm, 5%, 1/6W, Carbon Film. .   | 3198 011 01010 | 3942 | Res, 3K9, 5%, 1/10W, Metalized Glass .  | 3198 021 53920 |
| 3425   | Res, 15K, 5%, 1/6W, Carbon Film. . . . . | 3198 011 01530 | 3943 | Res, 2K7, 5%, 1/10W, Metalized Glass .  | 3198 021 52720 |
| 3426   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 021 90020 | 3944 | Res, 2K7, 5%, 1/10W, Metalized Glass .  | 3198 021 52720 |
| 3427   | Res, 12K, 5%, 1/6W, Carbon Film. . . . . | 3198 011 01230 | 3945 | Res, 1K, 5%, 1/10W, Metalized Glass .   | 3198 021 51020 |
| 3428   | Res, 39 ohm, 5%, 1/2W, Metal Film. . . . | 2306 207 03399 | 3946 | Res, 18K, 5%, 1/10W, Metalized Glass .  | 3198 021 51830 |
| 3431   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 021 90020 | 3947 | Res, 330 ohm, 5%, 1/10W, Metalized Glas | 3198 021 53310 |
| 3432   | Res, 22 ohm, 5%, 1/6W, Carbon Film . . . | 3198 011 02290 | 3948 | Res, 47K, 5%, 1/10W, Metalized Glass .  | 3198 021 54730 |
| 3471   | Res, 4R7, 1%, 3/5W, Metal Film . . . . . | 2312 915 14708 | 3949 | Res, 15K, 5%, 1/10W, Metalized Glass .  | 3198 021 51530 |
| 3472   | Res, 4R7, 1%, 3/5W, Metal Film . . . . . | 2312 915 14708 | 3950 | Res, 560 ohm, 5%, 1/10W, Metalized Glas | 3198 021 55610 |
| 3473   | Res, 2K2, 1%, 3/5W, Metal Film . . . . . | 2312 915 12202 | 3951 | Res, 390 ohm, 5%, 1/10W, Metalized Glas | 3198 021 53910 |
| 3474   | Res, 1K, 5%, 1/6W, Carbon Film . . . . . | 3198 011 01020 | 3981 | Res, 120 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01210 |
| 3475   | Res, 2K2, 1%, 3/5W, Metal Film . . . . . | 2312 915 12202 | 3982 | Res, 120 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01210 |
| S 3476 | Res, 1R5, 5%, 1/3W, Metal Film . . . . . | 2306 204 03158 | 4001 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 |
| 3477   | Res, 220 ohm, 5%, 1/6W, Carbon Film. .   | 3198 011 02210 | 4002 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 |
| 3478   | Res, 220 ohm, 5%, 1/6W, Carbon Film. .   | 3198 011 02210 | 4181 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 |
| 3479   | Res, 1K, 5%, 1/6W, Carbon Film . . . . . | 3198 011 01020 | 4212 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 |
| S 3500 | Res, 3M3, 5%, 1/2W, Metalized Glass. . . | 2322 242 13335 | 4216 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 |
| S 3501 | Res, 3M3, 5%, 1/2W, Metalized Glass. . . | 2322 242 13335 | 4217 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 |
| 3502   | NTC, DC, B57237, 3W1, 4R7, 20% . . . .   | 2122 612 00055 | 4410 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 |
| 3503   | PTC, DC, ZPB, 120V, 10R, 30% . . . . .   | 2120 661 00026 | 4501 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 |
| 3506   | Res, 220 ohm, 20%, 1/2W, Carbon Film .   | 3198 013 02210 | 4601 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 |
| 3507   | Surge Protector, DSP-301N-A21F . . . . . | 2422 549 43073 | 4613 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 |
| 3508   | Res, 1M5, 5%, 1/2W, Metalized Glass. . . | 2322 242 13155 | 4614 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 |
| 3519   | Res, 270 ohm, 5%, 1/6W, Carbon Film. . . | 3198 011 02710 | 4615 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 |
| 3520   | Res, 1K2, 5%, 1/10W, Metalized Glass .   | 3198 021 51220 | 4616 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 |
| 3521   | Res, 4R7, 5%, 1/6W, Carbon Film. . . . . | 3198 011 04780 | 4617 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 |
| 3522   | Res, 330K, 5%, 1/10W, Metalized Glass. . | 3198 021 53340 | 4618 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 |
| S 3523 | Res, 100 ohm, 5%, 1/3W, Metal Film . . . | 2306 204 03101 | 4619 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 |
| 3524   | Res, 56K, 5%, 1/10W, Metalized Glass .   | 3198 021 55630 | 4622 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 |
| 3525   | Res, 1K, 5%, 1/10W, Metalized Glass. .   | 3198 021 51020 | 4623 | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 021 90020 |

S = Safety Part Be sure to use exact replacement part.

## 20LX200122 (continued)

|        |  |                |        |                                      |                |
|--------|--|----------------|--------|--------------------------------------|----------------|
| 4691   | Res, Zero ohm, "Chip" Jumper . . . . .     | 3198 021 90020 | 7332   | Transistor, NPN, BF422 . . . . .     | 3198 020 43010 |
| 4692   | Res, Zero ohm, "Chip" Jumper . . . . .     | 3198 021 90020 | 7333   | Transistor, PNP, BF423 . . . . .     | 3198 020 43020 |
| 4693   | Res, Zero ohm, "Chip" Jumper . . . . .     | 3198 021 90020 | 7401   | Transistor, NPN, PPTC143ZT . . . . . | 9340 547 00215 |
| 4807   | Res, Zero ohm, "Chip" Jumper . . . . .     | 3198 021 90020 | 7402   | Transistor, NPN, BUT11APX. . . . .   | 9340 563 21127 |
| 4811   | Res, Zero ohm, "Chip" Jumper . . . . .     | 3198 021 90020 | 7403   | Transistor, NPN, BC337-25. . . . .   | 9331 795 90126 |
| 4812   | Res, Zero ohm, "Chip" Jumper . . . . .     | 3198 021 90020 | 7404   | Transistor, PNP, BC636 . . . . .     | 9332 219 50126 |
| 4813   | Res, Zero ohm, "Chip" Jumper . . . . .     | 3198 021 90020 | 7405   | Transistor, PNP, BC857B. . . . .     | 3198 010 42150 |
| 4814   | Res, Zero ohm, "Chip" Jumper . . . . .     | 3198 021 90020 | 7406   | Transistor, PNP, BC857B. . . . .     | 3198 010 42150 |
| 4901   | Res, Zero ohm, "Chip" Jumper . . . . .     | 3198 021 90020 | 7407   | Transistor, NPN, BD135 . . . . .     | 3198 020 41010 |
| 4911   | Res, Zero ohm, "Chip" Jumper . . . . .     | 3198 021 90020 | 7408   | Transistor, NPN, BD135 . . . . .     | 3198 020 41010 |
| 4982   | Res, Zero ohm, "Chip" Jumper . . . . .     | 3198 021 90020 | 7409   | Transistor, PNP, BC857B. . . . .     | 3198 010 42150 |
| 5001   | Coil, 5u6. . . . .                         | 3198 018 25680 | 7471   | IC, TDA9302H . . . . .               | 9322 088 25682 |
| 5002   | Coil, 820n . . . . .                       | 3198 018 18270 | S 7515 | Optic Coupler, TCET1103(G) . . . . . | 9322 140 14667 |
| 5201   | Coil, 6u8. . . . .                         | 3198 018 16880 | 7520   | IC, TEA1507P/N1. . . . .             | 9352 673 56112 |
| 5202   | Coil, 10u. . . . .                         | 3198 018 21090 | 7521   | F.E.T. Power, STP5NC50FP . . . . .   | 9322 160 71687 |
| 5241   | Coil, 10u. . . . .                         | 3198 018 21090 | 7522   | Transistor, NPN, BC847B. . . . .     | 3198 010 42030 |
| 5242   | Coil, 10u. . . . .                         | 3198 018 11090 | 7540   | Transistor, NPN, BC547B. . . . .     | 3198 020 40030 |
| 5341   | Coil, 22u. . . . .                         | 2422 535 95365 | 7541   | Transistor, NPN, PPTC114ET . . . . . | 9340 310 10215 |
| 5342   | Inductor, Fixed, 100MHz, 50R . . . . .     | 3198 018 90010 | 7542   | Transistor, PNP, BC857B. . . . .     | 3198 010 42150 |
| 5408   | Coil, 27u. . . . .                         | 2422 535 95366 | 7560   | IC, L78L33ACZ. . . . .               | 9322 134 92676 |
| 5410   | Coil, 27u. . . . .                         | 2422 535 95366 | 7561   | Transistor, NPN, PPTC143ZT . . . . . | 9340 547 00215 |
| 5444   | Transformer, Signal, Driver. . . . .       | 2422 531 02446 | 7580   | Transistor, PNP, BC857B. . . . .     | 3198 010 42150 |
| S 5445 | Transformer, MSL0T4. . . . .               | 3128 138 21541 | 7602   | IC, M24C08-WBN6. . . . .             | 9322 154 38682 |
| S 5502 | Filter, Mains, 5MH, 1A C914-01 Y . . . . . | 2422 549 44284 | 7902   | IC, AN7523N. . . . .                 | 9322 158 66667 |
| S 5520 | Ttransformer, SS28011-04 B . . . . .       | 2422 531 02458 | 7941   | Transistor, NPN, BC847B. . . . .     | 3198 010 42030 |
| 5521   | Inductor, Fixed, 100MHz, 50R . . . . .     | 3198 018 90010 | 7942   | Transistor, NPN, BC847B. . . . .     | 3198 010 42030 |
| 5560   | Inductor, Fixed, 100MHz, 50R . . . . .     | 3198 018 90010 | 7943   | Transistor, NPN, BC847B. . . . .     | 3198 010 42030 |
| 5561   | Coil, 27u. . . . .                         | 3198 018 22790 | 9001   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 5562   | Inductor, Fixed, 100MHz, 50R . . . . .     | 3198 018 90010 | 9171   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 5563   | Inductor, Fixed, 100MHz, 50R . . . . .     | 3198 018 90010 | 9172   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 5602   | Coil, 5u6. . . . .                         | 3198 018 15680 | 9173   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 5603   | Coil, 5u6. . . . .                         | 3198 018 15680 | 9174   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 5604   | Coil, 5u6. . . . .                         | 3198 018 15680 | 9175   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6001   | Zener Diode, 33 volt . . . . .             | 3198 010 23390 | 9177   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6201   | Diode, Signal, BAS316. . . . .             | 3198 010 10630 | 9181   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6202   | Diode, Signal, BAS316. . . . .             | 3198 010 10630 | 9182   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6206   | Zener Diode, 6.8 volt. . . . .             | 3198 020 56880 | 9183   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6241   | Zener Diode, 6.8 volt. . . . .             | 3198 020 56880 | 9191   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6311   | Diode, Signal, BAV21 . . . . .             | 3198 010 10070 | 9192   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6321   | Diode, Signal, BAV21 . . . . .             | 3198 010 10070 | 9193   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6331   | Diode, Signal, BAV21 . . . . .             | 3198 010 10070 | 9301   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6341   | Diode, Signal, BAV21 . . . . .             | 3198 010 10070 | 9302   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6342   | Diode, Signal, BA282 . . . . .             | 9337 587 20673 | 9303   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6343   | Zener Diode, 8.2 volt. . . . .             | 3198 020 58280 | 9304   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6401   | Diode, Signal, BAV21 . . . . .             | 3198 010 10070 | 9402   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6402   | Diode, Rect, BVV27-200. . . . .            | 9322 126 72673 | 9403   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6404   | Diode, Rect, BYD33M . . . . .              | 9337 410 30133 | 9404   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6405   | Diode, Rect, BYD33D . . . . .              | 9337 234 00133 | 9420   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6406   | Diode, Signal, BAV70 . . . . .             | 9331 849 10215 | 9421   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6407   | Diode, Signal, BAS316. . . . .             | 3198 010 10630 | 9425   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6408   | Diode, Signal, BAS316. . . . .             | 3198 010 10630 | 9426   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6409   | Diode, Rect, BYD33D . . . . .              | 9337 234 00133 | 9427   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6410   | Diode, Rect, BYD33D . . . . .              | 9337 234 00133 | 9428   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6413   | Diode, Signal, 1N4148. . . . .             | 3198 010 10010 | 9430   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6414   | Zener Diode, 6.2 volt. . . . .             | 9331 668 30133 | 9431   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6415   | Diode, Signal, BAS316. . . . .             | 3198 010 10630 | 9432   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6419   | Zener Diode, 5.6 volt. . . . .             | 9331 177 30133 | 9433   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6420   | Zener Diode, 9.1 volt. . . . .             | 9331 177 80133 | 9434   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6423   | Diode, Rect, BYD33D . . . . .              | 9337 234 00133 | 9471   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6471   | Diode, Rect, BYD33D . . . . .              | 9337 234 00133 | 9500   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6500   | Diode, Rect, 1N5062 . . . . .              | 3198 010 10120 | 9501   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6501   | Diode, Rect, 1N5062 . . . . .              | 3198 010 10120 | 9504   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6502   | Diode, Rect, 1N5062 . . . . .              | 3198 010 10120 | 9505   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6503   | Diode, Rect, 1N5062 . . . . .              | 3198 010 10120 | 9506   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6520   | Diode, Rect, BYD33D . . . . .              | 9337 234 00133 | 9507   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6523   | Diode, Signal, 1N4148. . . . .             | 3198 010 10010 | 9508   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6540   | Zener Diode, 6.2 volt. . . . .             | 9331 668 30133 | 9509   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6541   | Zener Diode, 10 volt . . . . .             | 3198 010 21090 | 9510   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6560   | Diode, Rect, BYW76-RAS15/10 . . . . .      | 9322 127 32682 | 9511   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6561   | Diode, Rect, BYW76-RAS15/10 . . . . .      | 9322 127 32682 | 9512   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6562   | Diode, Rect, EGP20DL-5100 . . . . .        | 9322 164 42682 | 9513   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6563   | Diode, Signal, BAS316. . . . .             | 3198 010 10630 | 9514   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6565   | Diode, Signal, BAV70 . . . . .             | 9331 849 10215 | 9517   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6566   | Diode, Signal, BAS316. . . . .             | 3198 010 10630 | 9520   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6569   | Diode, Signal, BAS316. . . . .             | 3198 010 10630 | 9521   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6570   | Zener Diode, 6.8 volt. . . . .             | 3198 020 56880 | 9522   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6580   | Diode, Signal, BAS316. . . . .             | 3198 010 10630 | 9523   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6681   | Diode, Signal, BAT85 . . . . .             | 9336 247 60133 | 9524   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6691   | LED VS LTL-10224WHCR . . . . .             | 9322 050 99682 | 9610   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6692   | IR Receiver, TSOP1836UH3V. . . . .         | 9322 127 54667 | 9611   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 6901   | Res, Zero ohm, "Chip" Jumper . . . . .     | 3198 021 90020 | 9612   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 7200   | IC, TDA9587H/N1/3/0482 . . . . .           | 9352 699 88557 | 9613   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 7201   | Transistor, NPN, BC847B. . . . .           | 3198 010 42030 | 9614   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 7204   | Transistor, PNP, BC857B. . . . .           | 3198 010 42150 | 9615   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 7241   | Transistor, PNP, PPTA114ET . . . . .       | 3198 010 44010 | 9616   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 7311   | Transistor, NPN, BF422 . . . . .           | 3198 020 43010 | 9617   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 7312   | Transistor, NPN, BF422 . . . . .           | 3198 020 43010 | 9619   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 7313   | Transistor, PNP, BF423 . . . . .           | 3198 020 43020 | 9620   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 7321   | Transistor, NPN, BF422 . . . . .           | 3198 020 43010 | 9621   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 7322   | Transistor, NPN, BF422 . . . . .           | 3198 020 43010 | 9622   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 7323   | Transistor, PNP, BF423 . . . . .           | 3198 020 43020 | 9623   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |
| 7331   | Transistor, NPN, BF422 . . . . .           | 3198 020 43010 | 9624   | Wire Jumper, 0.58MM. . . . .         | 3198 036 90010 |

S = Safety Part Be sure to use exact replacement part.

## 20LX200122 (continued)

|      |                      |                |        |  |                |
|------|----------------------|----------------|--------|--|----------------|
| 9625 | Wire Jumper, 0.58MM. | 3198 036 90010 | S AC01 | AC Power Cord.   | 3135 010 04781 |
| 9626 | Wire Jumper, 0.58MM. | 3198 036 90010 | AC03   | Cabinet, Back.   | 3139 124 40061 |
| 9627 | Wire Jumper, 0.58MM. | 3198 036 90010 | AC04   | Cabinet, Front   | 3139 138 12281 |
| 9628 | Wire Jumper, 0.58MM. | 3198 036 90010 | AC05   | Chassis Guide.   | 3139 124 37561 |
| 9630 | Wire Jumper, 0.58MM. | 3198 036 90010 | AC06   | Control Knob   | 3139 138 12161 |
| 9631 | Wire Jumper, 0.58MM. | 3198 036 90010 | S AC08 | CRT A48JLL40X46(MO).                                   | 9322 166 57682 |
| 9632 | Wire Jumper, 0.58MM. | 3198 036 90010 | S AC09 | Coil, Degaussing                                       | 2422 549 44428 |
| 9633 | Wire Jumper, 0.58MM. | 3198 036 90010 | AC10   | Holder, Degaussing (4 Used).                           | 3135 013 01641 |
| 9634 | Wire Jumper, 0.58MM. | 3198 036 90010 | AC11   | Light Guide.   | 3139 124 36271 |
| 9637 | Wire Jumper, 0.58MM. | 3198 036 90010 | AC12   | Nameplate.   | 3139 120 01391 |
| 9638 | Wire Jumper, 0.58MM. | 3198 036 90010 | AC13   | Owner's Manual   | 3121 235 20171 |
| 9639 | Wire Jumper, 0.58MM. | 3198 036 90010 | AC14   | Mains Knob   | 3139 138 12171 |
| 9640 | Wire Jumper, 0.58MM. | 3198 036 90010 | AC16   | Speaker, 16 ohm, 8W.                                   | 2422 264 00407 |
| 9641 | Wire Jumper, 0.58MM. | 3198 036 90010 | S AC18 | ITC = Integrated Tube Component, CRT &<br>Yoke Pre-Set | 0000 000 00ITC |
| 9642 | Wire Jumper, 0.58MM. | 3198 036 90010 | AC21   | Battery, Zinc, 1.5V, 2-Pk.                             | 9299 000 65263 |
| 9643 | Wire Jumper, 0.58MM. | 3198 036 90010 | AC24   | Spring, Braid Tension.                                 | 3139 121 26231 |
| 9644 | Wire Jumper, 0.58MM. | 3198 036 90010 | AC32   | Assembly Braid   | 3135 010 07321 |
| 9645 | Wire Jumper, 0.58MM. | 3198 036 90010 | AC38   | Speaker Clip   | 3139 124 32931 |
| 9648 | Wire Jumper, 0.58MM. | 3198 036 90010 | REMOTE | Remote Transmitter, RC19335004/01                      | 3139 228 86462 |
| 9650 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9653 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9654 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9657 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9658 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9659 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9660 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9661 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9662 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9663 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9664 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9665 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9666 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9668 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9669 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9670 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9672 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9673 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9674 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9675 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9676 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9678 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9679 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9680 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9682 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9683 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9684 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9686 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9687 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9688 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9689 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9690 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9691 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9692 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9695 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9697 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9698 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9699 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9811 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9812 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9813 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9814 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9815 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9816 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9817 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9818 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9820 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9821 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9822 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9824 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9825 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9826 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9827 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9828 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9829 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9830 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9832 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9911 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9912 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9915 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9916 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9917 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9921 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9982 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9991 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9993 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9994 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9996 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9997 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| 9998 | Wire Jumper, 0.58MM. | 3198 036 90010 |        |  |                |
| CBA  | Main Chassis         | 3139 177 21301 |        |  |                |

### Model 20LX200/122 Cabinet Parts

Model 20LX200/122 Cabinet Parts

S = Safety Part Be sure to use exact replacement part.

20LX200125 - Manual no. 7602

## Main Chassis

|              |   |      |           |      |   |      |     |       |
|--------------|---|------|-----------|------|---|------|-----|-------|
| Main Chassis |   |      |           | 2423 | 10uF., 20%, 100V, Electrolytic                  | 2020 | 021 | 90813 |
| 0127         | 2 Pin Fuse Socket                       | 3122 | 358 71251 | 2471 | 0.1uF., 10%, 50V, Metalized Polyester           | 3198 | 014 | 01040 |
| 0138         | IC-SPRING FOR ITEM 7471 (IC TDA9302H)   | 3104 | 301 22081 | 2472 | 0.1uF., 10%, 50V, Metalized Polyester           | 3198 | 014 | 01040 |
| 0139         | IC-SPRING 7402                          | 3139 | 121 24581 | 2473 | 100uF., 20%, 50V, Electrolytic                  | 2020 | 021 | 90587 |
| 0211         | 2 Pin Connector (AC Input Plug)         | 2422 | 025 16269 | 2475 | 470pF., 50V, Ceramic                            | 3198 | 016 | 04710 |
| 0212         | 2 Pin Connector (Degaussing Plug (RED)) | 2422 | 025 16375 | 2476 | 0.22uF., 10%, 50V, Metalized Polyester          | 3198 | 014 | 02240 |
| 0217         | 3 Pin Connector                         | 2412 | 020 00725 | 2477 | 470pF., 50V, Ceramic                            | 3198 | 016 | 04710 |
| 0218         | 2 Pin Connector                         | 2422 | 026 04637 | 2500 | 0.47uF., 20%, 275V, Metalized Polypropyl<br>ene | 2022 | 330 | 00018 |
| 0220         | 3 Pin Connector                         | 2422 | 025 04851 | 2501 | 2200pF., 1kV, Ceramic                           | 3198 | 019 | 52220 |
| 0221         | 6 Pin Connector                         | 2422 | 025 15503 | 2502 | 2200pF., 1kV, Ceramic                           | 3198 | 019 | 52220 |
| 0222         | 2 Pin Connector                         | 2422 | 025 10646 | 2503 | 220uF., 20%, 200V, Electrolytic                 | 2020 | 024 | 90557 |
| 0232         | Headphone Jack                          | 2422 | 026 04747 | 2504 | 2200pF., 1kV, Ceramic                           | 3198 | 019 | 52220 |
| 0243         | 6 Pin Connector                         | 2422 | 025 04854 | 2506 | 2200pF., 1kV, Ceramic                           | 3198 | 019 | 52220 |
| 0244         | 3 Pin Connector                         | 2422 | 025 04851 | 2508 | 470pF., 1kV, 10%, Ceramic                       | 3198 | 019 | 64710 |
| 0245         | 6 Pin Connector                         | 2422 | 025 04854 | 2515 | 1500pF., 250V, 20%, Ceramic                     | 2020 | 554 | 90170 |
| 0246         | 3 Pin Connector                         | 2412 | 020 00725 | 2520 | 0.1uF., 16V, Ceramic                            | 3198 | 017 | 01040 |
| 0254         | 9 Pin CRT Socket (N-NECK)               | 2422 | 500 80067 | 2521 | 22uF., 20%, 50V, Electrolytic                   | 3198 | 025 | 52290 |
| 1000         | Tuner V+U PLL F ENV56D98G3              | 2422 | 542 90108 | 2522 | 0.1uF., 16V, Ceramic                            | 3198 | 017 | 01040 |
| 1002         | 45.75 MHz Saw Filter F072TPL-A          | 2422 | 549 44327 | 2523 | 1500pF., 2kV, 10%, Ceramic                      | 2020 | 558 | 90489 |
| 1200         | 4.5MHz Ceramic Filter, TPS*MB.          | 2422 | 549 40807 | 2525 | 470pF., 50V, Ceramic                            | 3198 | 017 | 04710 |
| 1500         | 5 Amp, 250V, Fuse (5X20)                | 2422 | 086 10905 | 2526 | 0.001uF., 50V, Ceramic                          | 3198 | 017 | 01020 |
| 1515         | 5 Amp, 12V, 1 Pin Relay, G5PA-1.        | 2422 | 132 07444 | 2527 | 470pF., 50V, Ceramic                            | 3198 | 017 | 04710 |
| 1600         | Tact Switch.                            | 2422 | 128 02742 | 2540 | 0.015uF., 50V, Ceramic                          | 3198 | 017 | 01530 |
| 1601         | Tact Switch.                            | 2422 | 128 02742 | 2560 | 1000pF., 1kV, 10%, Ceramic                      | 3198 | 019 | 61020 |
| 1602         | Tact Switch.                            | 2422 | 128 02742 | 2561 | 47uF., 20%, 160V, Electrolytic                  | 2020 | 021 | 91358 |
| 1603         | Tact Switch.                            | 2422 | 128 02742 | 2562 | 1000pF., 50V, Ceramic                           | 3198 | 019 | 11020 |
| 1606         | Tact Switch.                            | 2422 | 128 02742 | 2563 | 0.1uF., 10%, 50V, Metalized Polyester           | 3198 | 014 | 01040 |
| 1660         | 12MHz, Crystal Resonator, HC49/U A      | 2422 | 543 01203 | 2564 | 2200uF., 20%, 16V, Electrolytic                 | 2020 | 012 | 93057 |
| 2004         | 0.047uF., 25V, Ceramic                  | 3198 | 023 04730 | 2565 | 470pF., 1kV, 10%, Ceramic                       | 3198 | 019 | 64710 |
| 2005         | 10uF., 20%, 50V, Electrolytic           | 3198 | 025 51090 | 2567 | 47uF., 20%, 25V, Electrolytic                   | 3198 | 025 | 34790 |
| 2006         | 470uF., 20%, 16V, Electrolytic          | 3198 | 025 24710 | 2568 | 1uF., 20%, 50V, Electrolytic                    | 3198 | 025 | 51080 |
| 2007         | 0.1uF., 25V, Ceramic                    | 3198 | 023 21040 | 2569 | 470pF., 50V, Ceramic                            | 3198 | 017 | 04710 |
| 2008         | 100uF., 20%, 25V, Electrolytic          | 3198 | 025 31010 | 2580 | 47uF., 20%, 25V, Electrolytic                   | 3198 | 025 | 34790 |
| 2009         | 0.022uF., 50V, Ceramic                  | 3198 | 017 02230 | 2601 | 0.22uF., 25V, Ceramic                           | 3198 | 023 | 22240 |
| 2181         | 22pF., 50V, Ceramic                     | 3198 | 016 02290 | 2602 | 100pF., 50V, Ceramic                            | 3198 | 016 | 01010 |
| 2182         | 330pF., 50V, Ceramic                    | 3198 | 016 03310 | 2606 | 1000pF., 50V, Ceramic                           | 3198 | 016 | 01020 |
| 2184         | 2.2uF., 10V, Ceramic                    | 3198 | 017 22250 | 2607 | 33pF., 50V, Ceramic                             | 3198 | 016 | 03390 |
| 2202         | 0.1uF., 25V, Ceramic                    | 3198 | 023 21040 | 2608 | 0.1uF., 25V, Ceramic                            | 3198 | 023 | 21040 |
| 2203         | 0.1uF., 25V, Ceramic                    | 3198 | 023 21040 | 2609 | 33pF., 50V, Ceramic                             | 3198 | 016 | 0339  |

S = Safety Part      Be sure to use exact replacement part.

# 20LX200125 (continued)

|      |   |                |      |  |                |
|------|---|----------------|------|--|----------------|
| 3245 | 39k, 5% . . . . .   | 3198 021 53930 | 3531 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3246 | 10k, 5% . . . . .   | 3198 021 51030 | 3541 | 470 ohm, 5% . . . . .                      | 3198 021 54710 |
| 3247 | 220k, 5% . . . . .  | 3198 021 52240 | 3542 | 1.5k, 5% . . . . .                         | 3198 021 51520 |
| 3248 | 27k, 5% . . . . .   | 3198 021 52730 | 3543 | 82k, 1%, Metal Film. . . . .               | 2322 156 28203 |
| 3249 | 820 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 08210 | 3544 | 6.8k, 1%, Metal Film . . . . .             | 2322 156 26802 |
| 3251 | 100 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 01010 | 3545 | 82k, 5% . . . . .                          | 3198 021 58230 |
| 3254 | 1M, 5% . . . . .  | 3198 021 51050 | 3546 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3256 | 1k, 5% . . . . .  | 3198 021 51020 | 3547 | 0.33 ohm, 5%, 1W, Power Resistor . . . . . | 3198 012 13370 |
| 3257 | 10Meg, 5% . . . . .   | 3198 021 51060 | 3548 | 8.2k, 5% . . . . .                         | 3198 021 58220 |
| 3258 | 330k, 5% . . . . .  | 3198 021 53340 | 3549 | 470 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 04710 |
| 3259 | 470k, 5% . . . . .  | 3198 021 54740 | 3552 | 10k, 5% . . . . .                          | 3198 021 51030 |
| 3311 | 3.9k, 5% . . . . .  | 3198 021 53920 | 3559 | 1k, 5% . . . . .                           | 3198 021 51020 |
| 3312 | 330 ohm, 5% . . . . .   | 3198 021 53310 | 3561 | 220 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 02210 |
| 3313 | 10 ohm, 5% . . . . .  | 3198 021 51090 | 3562 | 10k, 5% . . . . .                          | 3198 021 51030 |
| 3314 | 18k, 5%, Metal Film. . . . .                                  | 2322 195 63183 | 3563 | 4.7k, 5% . . . . .                         | 3198 021 54720 |
| 3316 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                  | 2306 204 03689 | 3564 | 4.7 ohm, 5%, 2W, Power Resistor. . . . .   | 3198 012 24780 |
| 3317 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3565 | 330 ohm, 5%, 1W, Power Resistor. . . . .   | 3198 012 13310 |
| 3321 | 3.9k, 5% . . . . .  | 3198 021 53920 | 3566 | 2.2k, 5% . . . . .                         | 3198 021 52220 |
| 3322 | 330 ohm, 5% . . . . .   | 3198 021 53310 | 3569 | 5.6k, 5% . . . . .                         | 3198 021 55620 |
| 3323 | 10 ohm, 5% . . . . .  | 3198 021 51090 | 3580 | 47k, 5% . . . . .                          | 3198 021 54730 |
| 3324 | 18k, 5%, Metal Film. . . . .                                  | 2322 195 63183 | 3603 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3326 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                  | 2306 204 03689 | 3604 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3327 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3605 | 4.7k, 5% . . . . .                         | 3198 021 54720 |
| 3331 | 3.9k, 5% . . . . .  | 3198 021 53920 | 3606 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3332 | 330 ohm, 5% . . . . .   | 3198 021 53310 | 3607 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3333 | 10 ohm, 5% . . . . .  | 3198 021 51090 | 3608 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3334 | 18k, 5%, Metal Film. . . . .                                  | 2322 195 63183 | 3611 | 100 ohm, 5% . . . . .                      | 3198 021 51010 |
| 3336 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                  | 2306 204 03689 | 3614 | 4.7k, 5%, 1/6W Carbon. . . . .             | 3198 011 04720 |
| 3337 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3615 | 10k, 5%, 1/6W Carbon . . . . .             | 3198 011 01030 |
| 3341 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3617 | 4.7k, 5%, 1/6W Carbon. . . . .             | 3198 011 04720 |
| 3347 | 220 ohm, 5% Fusible Resistor NFR25 . . . . .                  | 2306 204 03221 | 3618 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3348 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3619 | 8.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 08220 |
| 3349 | 1 ohm, 5%, Fusible Resistor NFR25. . . . .                    | 2306 204 03108 | 3622 | 100 ohm, 5% . . . . .                      | 3198 021 51010 |
| 3350 | 1 ohm, 5%, Fusible Resistor NFR25. . . . .                    | 2306 204 03108 | 3623 | 4.7k, 5% . . . . .                         | 3198 021 54720 |
| 3401 | 330k, 5% . . . . .  | 2322 242 13334 | 3624 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3402 | 18k, 5%, 1/6W Carbon . . . . .                                | 3198 011 01830 | 3625 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3403 | 22 ohm, 5%, 3W, Power Resistor . . . . .                      | 3198 012 32290 | 3626 | 4.7k, 5% . . . . .                         | 3198 021 54720 |
| 3404 | 6.8 ohm, 5%, Fusible Resistor NFR25. . . . .                  | 2306 204 03688 | 3627 | 4.7k, 5% . . . . .                         | 3198 021 54720 |
| 3406 | 10k, 5%, 1/6W Carbon . . . . .                                | 3198 011 01030 | 3628 | 10k, 5% . . . . .                          | 3198 021 51030 |
| 3407 | 220 ohm, 5%, 3W, Power Resistor. . . . .                      | 3198 012 32210 | 3630 | 2.2k, 5% . . . . .                         | 3198 021 52220 |
| 3408 | 1k, 5%, 1/6W Carbon. . . . .                                  | 3198 011 01020 | 3632 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3410 | 33k, 5% . . . . .   | 3198 021 53330 | 3636 | 100 ohm, 5% . . . . .                      | 3198 021 51010 |
| 3411 | 10 ohm, 5% Fusible Resistor NFR25. . . . .                    | 2306 204 03109 | 3681 | 390 ohm, 5% . . . . .                      | 3198 021 53910 |
| 3412 | 3.3k, 1%, Metal Film . . . . .                                | 2322 156 23302 | 3682 | 3.3k, 5% . . . . .                         | 3198 021 53320 |
| 3413 | 10k, 5% . . . . .   | 3198 021 51030 | 3683 | 390 ohm, 5% . . . . .                      | 3198 021 53910 |
| 3414 | 1.5k, 1%, Metal Film . . . . .                                | 2322 156 21502 | 3684 | 560 ohm, 5% . . . . .                      | 3198 021 55610 |
| 3415 | 1k, 5%, 1/6W Carbon. . . . .                                  | 3198 011 01020 | 3685 | 560 ohm, 5% . . . . .                      | 3198 021 55610 |
| 3416 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                  | 2306 204 03689 | 3686 | 1.5k, 5% . . . . .                         | 3198 021 51520 |
| 3417 | 33k, 5%, 1/6W Carbon . . . . .                                | 3198 011 03330 | 3691 | 330 ohm, 5% . . . . .                      | 3198 021 53310 |
| 3418 | 33k, 5% . . . . .   | 3198 021 53330 | 3693 | 220 ohm, 5% . . . . .                      | 3198 021 52210 |
| 3419 | 6.8k, 5% . . . . .  | 3198 021 56820 | 3694 | 4.7k, 5% . . . . .                         | 3198 021 54720 |
| 3420 | 33k, 5% . . . . .   | 3198 021 53330 | 3901 | 1k, 5% . . . . .                           | 3198 021 51020 |
| 3421 | 6.8 ohm, 5%, 2W, Power Resistor. . . . .                      | 3198 012 26880 | 3902 | 3.3k, 5% . . . . .                         | 3198 021 53320 |
| 3422 | 100 ohm, 5% . . . . .   | 3198 021 51010 | 3903 | 8.2k, 5% . . . . .                         | 3198 021 58220 |
| 3423 | 820 ohm, 5% . . . . .   | 3198 021 58210 | 3904 | 10k, 5% . . . . .                          | 3198 021 51030 |
| 3424 | 100 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 01010 | 3907 | 5.6k, 5% . . . . .                         | 3198 021 55620 |
| 3425 | 12k, 5%, 1/6W Carbon . . . . .                                | 3198 011 01230 | 3941 | 100 ohm, 5% . . . . .                      | 3198 021 51010 |
| 3426 | 1M, 5% . . . . .  | 3198 021 51050 | 3942 | 3.9k, 5% . . . . .                         | 3198 021 53920 |
| 3427 | 12k, 5%, 1/6W Carbon . . . . .                                | 3198 011 01230 | 3943 | 2.7k, 5% . . . . .                         | 3198 021 52720 |
| 3428 | 39 ohm, 5% Fusible Resistor NFR25H . . . . .                  | 2306 207 03399 | 3944 | 2.7k, 5% . . . . .                         | 3198 021 52720 |
| 3431 | 2.2k, 5% . . . . .  | 3198 021 52220 | 3945 | 1k, 5% . . . . .                           | 3198 021 51020 |
| 3432 | 22 ohm, 5%, 1/6W Carbon. . . . .                              | 3198 011 02290 | 3946 | 18k, 5% . . . . .                          | 3198 021 51830 |
| 3471 | 3.9 ohm, 1%, Metal Film. . . . .                              | 2322 156 23908 | 3947 | 330 ohm, 5% . . . . .                      | 3198 021 53310 |
| 3472 | 3.9 ohm, 1%, Metal Film. . . . .                              | 2322 156 23908 | 3948 | 47k, 5% . . . . .                          | 3198 021 54730 |
| 3473 | 2.2k, 1%, Metal Film . . . . .                                | 2322 156 22202 | 3949 | 15k, 5% . . . . .                          | 3198 021 51530 |
| 3474 | 1k, 5%, 1/6W Carbon. . . . .                                  | 3198 011 01020 | 3950 | 560 ohm, 5% . . . . .                      | 3198 021 55610 |
| 3475 | 2.2k, 1%, Metal Film . . . . .                                | 2322 156 22202 | 3951 | 390 ohm, 5% . . . . .                      | 3198 021 53910 |
| 3476 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                  | 2306 204 03158 | 3981 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3477 | 220 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 02210 | 3982 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3478 | 220 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 02210 | 4001 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3479 | 1k, 5%, 1/6W Carbon. . . . .                                  | 3198 011 01020 | 4002 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3500 | 3.3Meg, 5% . . . . .  | 2322 242 13335 | 4181 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3501 | 3.3Meg, 5% . . . . .  | 2322 242 13335 | 4212 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3502 | 4.7 ohm, 20%, 3.1W, Negative Temperature Coefficient. . . . . | 2122 612 00055 | 4216 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3503 | 10 ohm, 30%, 120V, Positive Temperature Coefficient. . . . .  | 2120 661 00026 | 4217 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3506 | Jumper Wire. . . . .  | 0322 179 00003 | 4410 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3507 | Surge Protector DSP-301N-A21F. . . . .                        | 2422 549 43073 | 4501 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3508 | 1.5Meg, 5% . . . . .  | 2322 242 13155 | 4601 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3519 | 270 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 02710 | 4613 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3520 | 1.2k, 5% . . . . .  | 3198 021 51220 | 4614 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3521 | 4.7 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 04780 | 4615 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3522 | 330k, 5% . . . . .  | 3198 021 53340 | 4616 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3523 | 100 ohm, 5%, Fusible Resistor NFR25 . . . . .                 | 2306 204 03101 | 4617 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3524 | 56k, 5% . . . . .   | 3198 021 55630 | 4618 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3525 | 1k, 5% . . . . .  | 3198 021 51020 | 4619 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3526 | 0.15 ohm, 5%, 1W, Power Resistor . . . . .                    | 3198 012 11570 | 4622 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3527 | 2.2k ohm, 5%, Fusible Resistor NFR25 . . . . .                | 2306 204 03222 | 4623 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3528 | 10k, 5% . . . . .   | 3198 021 51030 | 4691 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3529 | 47k, 5% . . . . .   | 3198 021 54730 | 4692 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3530 | 4.7k, 5% . . . . .  | 3198 021 54720 | 4693 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |   |                | 4807 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |   |                | 4811 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |

S = Safety Part Be sure to use exact replacement part.

## 20LX200125 (continued)

|      |  |                |      |  |                |
|------|--|----------------|------|--|----------------|
| 4812 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7333 | Transistor BF423 . . . . .               | 3198 020 43020 |
| 4813 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7401 | Transistor PDTCl43ZT. . . . .            | 9340 547 00215 |
| 4814 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7402 | Power Transistor BUT11APX-1200 . . . . . | 9340 563 21127 |
| 4901 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7403 | Transistor BC337-25. . . . .             | 3198 020 43530 |
| 4911 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7404 | Transistor BC636 . . . . .               | 9332 219 50126 |
| 4982 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7405 | Transistor BC857B . . . . .              | 3198 010 42150 |
| 5001 | Fixed Inductor, 5.6uH, 10%. . . . .              | 3198 018 25680 | 7406 | Transistor BC857B . . . . .              | 3198 010 42150 |
| 5002 | Fixed Inductor, 0.82uH, 10%. . . . .             | 3198 018 18270 | 7407 | Power Transistor BD135-16. . . . .       | 3198 020 41190 |
| 5201 | Fixed Inductor, 6.8uH, 5%. . . . .               | 3198 018 16880 | 7408 | Power Transistor BD135-17. . . . .       | 3198 020 41190 |
| 5202 | Fixed Inductor, 10uH, 10%. . . . .               | 3198 018 21090 | 7409 | Transistor BC857B . . . . .              | 3198 010 42150 |
| 5241 | Fixed Inductor, 10uH, 10%. . . . .               | 3198 018 21090 | 7471 | IC, TDA9302H . . . . .                   | 9322 088 25682 |
| 5242 | Fixed Inductor, 10uH, 5%. . . . .                | 3198 018 11090 | 7515 | Opto-Coupler, TCET1103(G). . . . .       | 9322 140 14667 |
| 5341 | Fixed Inductor, 12uH, 5% SPT0508 . . . . .       | 2422 535 95598 | 7520 | IC, TEA1507P/N1. . . . .                 | 9352 673 56112 |
| 5342 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 7521 | Power FET, STP5NC50FP. . . . .           | 9322 160 71687 |
| 5403 | Fixed Inductor, 33uH, 10% LHL08 . . . . .        | 2422 535 94643 | 7522 | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5408 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7540 | Transistor BC547B. . . . .               | 3198 020 40030 |
| 5410 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7541 | Transistor PDTCl14ET. . . . .            | 9340 310 10215 |
| 5444 | Signal Driver Transformer SC10009-03. . . . .    | 2422 531 02446 | 7542 | Transistor BC857B . . . . .              | 3198 010 42150 |
| 5445 | LOT Transformer MSL0T4 . . . . .                 | 3128 138 21541 | 7560 | IC, L78L33ACZ. . . . .                   | 9322 134 92676 |
| 5502 | AC Filter. . . . .                               | 2422 549 44284 | 7561 | Transistor PDTCl43ZT. . . . .            | 9340 547 00215 |
| 5520 | Transformer SS28011-04. . . . .                  | 2422 531 02458 | 7580 | Transistor BC857B . . . . .              | 3198 010 42150 |
| 5520 | Transformer SS28032-01A . . . . .                | 2422 531 02458 | 7602 | IC M24C16-WBN6 . . . . .                 | 9322 147 25682 |
| 5521 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 7902 | IC, AN7523N. . . . .                     | 9322 158 66667 |
| 5560 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 7941 | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5561 | Fixed Inductor, 27uH, 10%. . . . .               | 3198 018 22790 | 7942 | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5562 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 7943 | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5563 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9181 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5602 | Fixed Inductor, 5.6uH, 5%. . . . .               | 3198 018 15680 | 9692 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5603 | Fixed Inductor, 5.6uH, 5%. . . . .               | 3198 018 15680 | 9696 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5604 | Fixed Inductor, 5.6uH, 5%. . . . .               | 3198 018 15680 | 9814 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5833 | Jumper Wire. . . . .                             | 0322 179 00003 | 9820 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6001 | Diode Regulator, BZX79-C33 (33Volt). . . . .     | 3198 010 23390 | 9821 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6201 | Diode, BAV21 . . . . .                           | 3198 010 10630 | 9822 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6202 | Diode, BAS316 . . . . .                          | 3198 010 10630 | 9824 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6206 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 | 9825 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6241 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 | 9826 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6311 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9827 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6321 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9828 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6331 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9829 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6341 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9830 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6342 | Diode, 1N4148. . . . .                           | 3198 010 10010 | 9832 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6343 | Diode Regulator, BZX384-C8V2 (8.2Volt) . . . . . | 3198 020 58280 | 9833 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6401 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9982 | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6402 | Diode Rectifier, BYV27-200 . . . . .             | 9322 126 72673 | CBA  | Main Chassis . . . . .                   | 3139 178 86291 |
| 6404 | Diode Rectifier, BYD33D. . . . .                 | 9337 410 30133 |      |  |                |
| 6405 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |  |                |
| 6406 | Diode, BAV70. . . . .                            | 9331 849 10215 |      |  |                |
| 6407 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 6408 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 6409 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |  |                |
| 6410 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |  |                |
| 6413 | Diode, 1N4148. . . . .                           | 3198 010 10010 |      |  |                |
| 6414 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 |      |  |                |
| 6415 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 6419 | Diode Regulator, BZX79-C5V6 (5.6Volt). . . . .   | 3198 010 25680 |      |  |                |
| 6420 | Diode Regulator, BZX79-C9V1 (9.1Volt). . . . .   | 9331 177 80133 |      |  |                |
| 6423 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |  |                |
| 6471 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |  |                |
| 6500 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |  |                |
| 6501 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |  |                |
| 6502 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |  |                |
| 6503 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |  |                |
| 6520 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |  |                |
| 6523 | Diode, 1N4148. . . . .                           | 3198 010 10010 |      |  |                |
| 6540 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 |      |  |                |
| 6541 | Diode Regulator, BZX79-C10 (10Volt). . . . .     | 3198 010 21090 |      |  |                |
| 6560 | Diode Rectifier, BYW76-RAS15/10. . . . .         | 9322 127 32682 |      |  |                |
| 6561 | Diode Rectifier, BYW76-RAS15/10. . . . .         | 9322 127 32682 |      |  |                |
| 6562 | Diode Rectifier, EGP20DL-5100. . . . .           | 9322 164 42682 |      |  |                |
| 6563 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 6565 | Diode, BAV70. . . . .                            | 9331 849 10215 |      |  |                |
| 6566 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 6569 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 6570 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 |      |  |                |
| 6580 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 6581 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 6681 | Diode, BAT85 . . . . .                           | 9336 247 60133 |      |  |                |
| 6691 | LED, VS LTL-10224WHCR. . . . .                   | 9322 050 99682 |      |  |                |
| 6692 | IR Receiver, TSOP1836UH3V. . . . .               | 9322 127 54667 |      |  |                |
| 6901 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |  |                |
| 7200 | IC, 2US1 Software Cluster. . . . .               | 9352 699 88557 |      |  |                |
| 7201 | Transistor BC847B . . . . .                      | 3198 010 42030 |      |  |                |
| 7204 | Transistor BC857B . . . . .                      | 3198 010 42150 |      |  |                |
| 7241 | Transistor PDTA114ET. . . . .                    | 3198 010 44010 |      |  |                |
| 7311 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |  |                |
| 7312 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |  |                |
| 7313 | Transistor BF423 . . . . .                       | 3198 020 43020 |      |  |                |
| 7321 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |  |                |
| 7322 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |  |                |
| 7323 | Transistor BF423 . . . . .                       | 3198 020 43020 |      |  |                |
| 7331 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |  |                |
| 7332 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |  |                |

S = Safety Part Be sure to use exact replacement part.

20LZ202222 - Manual no. 7602

## Main Chassis

|        |  |      |     |       |        |   |      |     |       |
|--------|--|------|-----|-------|--------|---|------|-----|-------|
|        | Main Chassis                                 |      |     |       | 2411   | Cap, 47u, 20%, 25v, Electrolytic              | 2020 | 021 | 9058  |
| 0139   | IC-SPRING 7402                               | 3139 | 121 | 24581 | 2412   | Cap, 33n, 10%, 100v, Polyester                | 2222 | 347 | 90236 |
| 0040   | 3 Pin Cinch Cover                            | 3139 | 124 | 24551 | 2413   | Cap, 10u, 20%, 250v, Electrolytic             | 2020 | 012 | 93495 |
| 0122   | Heatsink                                     | 3139 | 121 | 26952 | 2414   | Cap, 1000u, 20%, 16v, Electrolytic            | 2020 | 021 | 91049 |
| 0123   | Heatsink, Audio                              | 3139 | 121 | 26932 | 2415   | Res, 470 ohm, 5%, 1/10W, Metalized Glas       | 3198 | 021 | 54710 |
| 0124   | Heatsink                                     | 3139 | 121 | 26941 | 2416   | Cap, 820p, 10%, 2000v, Ceramic                | 2020 | 558 | 90486 |
| 0127   | Socket Fuse                                  | 2422 | 088 | 00271 | 2417   | Cap, 1000u, 20%, 16v, Electrolytic            | 2020 | 021 | 91049 |
| 0136   | IC-Spring                                    | 3104 | 301 | 22081 | 2418   | Cap, 10n, 10%, 50v, Ceramic                   | 3198 | 017 | 01030 |
| 0137   | Spring                                       | 3139 | 121 | 24581 | 2419   | Cap, 1u, 20%, 50v, Electrolytic               | 2020 | 021 | 91147 |
| 0138   | IC-Spring                                    | 3104 | 301 | 22081 | 2420   | Cap, 1u, 20%, 50v, Electrolytic               | 3198 | 025 | 51080 |
| 0139   | Spring for Bracket                           | 3122 | 121 | 24786 | 2421   | Cap, 47n, +80/-20%, 50v, Ceramic              | 3198 | 017 | 24730 |
| 0152   | Cable, 6 Pin, 400mm                          | 3139 | 121 | 08841 | 2422   | Cap, 470u, 20%, 16v, Electrolytic             | 2020 | 021 | 91577 |
| 0153   | Cable, 3 Pin, 400mm                          | 3139 | 121 | 07041 | 2423   | Cap, 10u, 20%, 100v, Electrolytic             | 2020 | 021 | 90813 |
| 0211   | Connector, 2 Pin                             | 2422 | 025 | 16269 | 2471   | Cap, 100n, 10%, 50v, Polyester                | 3198 | 014 | 01040 |
| 0212   | Connector, 2 Pin                             | 2422 | 025 | 16375 | 2472   | Cap, 100n, 10%, 50v, Polyester                | 3198 | 014 | 01040 |
| 0217   | Connector, 3 Pin                             | 2412 | 020 | 00725 | 2473   | Cap, 100u, 20%, 50v, Electrolytic             | 2020 | 021 | 90587 |
| 0218   | Socket, Cinch, 3 Pin                         | 2422 | 026 | 04742 | 2475   | Cap, 470p, 5%, 50v, Ceramic                   | 3198 | 016 | 04710 |
| 0220   | Connector, 3 Pin                             | 2422 | 025 | 04851 | 2476   | Cap, 220n, 10%, 50v, Polyester                | 3198 | 014 | 02240 |
| 0221   | Connector, 4 Pin                             | 2422 | 025 | 15503 | 2477   | Cap, 470p, 5%, 50v, Ceramic                   | 3198 | 016 | 04710 |
| 0222   | Connector, 2 Pin                             | 2422 | 025 | 10646 | 2500   | Cap, 470n, 20%, 275v, Metalized Polypropylene | 2022 | 330 | 00018 |
| 0232   | Socket, Phone, 1 Pin                         | 2422 | 026 | 04747 |        |   |      |     |       |
| 0243   | Connector, 6 Pin                             | 2422 | 025 | 04854 | 2501   | Cap, 2n2, 10%, 1000v, Ceramic                 | 3198 | 019 | 52220 |
| 0244   | Connector, 3 Pin                             | 2422 | 025 | 04851 | 2502   | Cap, 2n2, 10%, 1000v, Ceramic                 | 3198 | 019 | 52220 |
| 0245   | Connector, 6 Pin                             | 2422 | 025 | 04854 | 2503   | Cap, 220u, 20%, 200v, Electrolytic            | 2020 | 024 | 90585 |
| 0246   | Connector, 5 Pin                             | 2422 | 025 | 15848 | 2506   | Cap, 2n2, 10%, 1000v, Ceramic                 | 3198 | 019 | 52220 |
| 0254   | Socket, CRT, 9 Pin, M-Neck                   | 2422 | 500 | 80077 | 2508   | Cap, 470p, 10%, 1000v, Ceramic                | 3198 | 019 | 64710 |
| 1000   | Tuner, V+U, PLL                              | 2422 | 542 | 90108 | S 2515 | Cap, 1n5, 20%, v, Ceramic                     | 2020 | 554 | 90128 |
| 1002   | Filter, S.A.W. 45MHZ75                       | 2422 | 549 | 44518 | 2520   | Cap, 100n, 10%, 16v, Ceramic                  | 3198 | 017 | 01040 |
| 1200   | Filter, Ceramic, 4MHZ5                       | 2422 | 549 | 40807 | 2521   | Cap, 22u, 20%, 50v, Electrolytic              | 3198 | 025 | 52290 |
| S 1500 | Fuse, 4A, 250V, IEC                          | 2422 | 086 | 10914 | 2522   | Cap, 100n, 10%, 16v, Ceramic                  | 3198 | 017 | 01040 |
| S 1515 | Relay, 12V, 5A 5GPA-1                        | 2422 | 132 | 07444 | 2523   | Cap, 1n5, 10%, 2000v, Ceramic                 | 2020 | 558 | 90489 |
| 1600   | Switch, Tactile                              | 2422 | 128 | 02742 | 2525   | Cap, 470p, 10%, 50v, Ceramic                  | 3198 | 017 | 04710 |
| 1601   | Switch, Tactile                              | 2422 | 128 | 02742 | 2526   | Cap, 1n, 10%, 50v, Ceramic                    | 3198 | 017 | 01020 |
| 1602   | Switch, Tactile                              | 2422 | 128 | 02742 | 2527   | Cap, 470p, 10%, 50v, Ceramic                  | 3198 | 017 | 04710 |
| 1603   | Switch, Tactile                              | 2422 | 128 | 02742 | 2540   | Cap, 15n, 10%, 50v, Ceramic                   | 3198 | 017 | 01530 |
| 1606   | Switch, Tactile                              | 2422 | 128 | 02742 | 2541   | Cap, 10n, 10%, 50v, Ceramic                   | 3198 | 017 | 01030 |
| 1660   | Crystal, 12MHz000                            | 2422 | 543 | 01203 | 2560   | Cap, 1n, 10%, 1000v, Ceramic                  | 3198 | 019 | 61020 |
| 1861   | Resonator, Crystal, 514KHz5                  | 2422 | 540 | 98344 | 2561   | Cap, 47u, 20%, 160v, Electrolytic             | 2020 | 021 | 91358 |
| 2004   | Cap, 47n, 10%, 25v, Ceramic                  | 3198 | 023 | 04730 | 2562   | Cap, 1n, 10%, 50v, Ceramic                    | 3198 | 019 | 11020 |
| 2005   | Cap, 10u, 20%, 50v, Electrolytic             | 3198 | 025 | 51090 | 2563   | Cap, 100n, 10%, 50v, Polyester                | 3198 | 014 | 01040 |
| 2006   | Cap, 470u, 20%, 16v, Electrolytic            | 3198 | 025 | 24710 | 2564   | Cap, 2u2, 20%, 16v, Electrolytic              | 2020 | 012 | 93057 |
| 2007   | Cap, 100n, +80/-20%, 25v, Ceramic            | 3198 | 023 | 21040 | 2565   | Cap, 470p, 10%, 1000v, Ceramic                | 3198 | 019 | 64710 |
| 2008   | Cap, 100u, 20%, 25v, Electrolytic            | 3198 | 025 | 31010 | 2566   | Cap, 470u, 20%, 6.3v, Electrolytic            | 3198 | 025 | 04710 |
| 2009   | Cap, 22n, 10%, 25v, Ceramic                  | 3198 | 017 | 32230 | 2567   | Cap, 47u, 20%, 25v, Electrolytic              | 3198 | 025 | 34790 |
| 2141   | Res, Zero ohm, "Chip" Jumper                 | 3198 | 021 | 90020 | 2568   | Cap, 1u, 20%, 50v, Electrolytic               | 3198 | 025 | 51080 |
| 2181   | Cap, 22p, 5%, 50v, Ceramic                   | 3198 | 016 | 02290 | 2569   | Cap, 470p, 10%, 50v, Ceramic                  | 3198 | 017 | 04710 |
| 2182   | Cap, 330p, 10%, 50v, Ceramic                 | 3198 | 017 | 03310 | 2580   | Cap, 47u, 20%, 25v, Electrolytic              | 3198 | 025 | 34790 |
| 2183   | Cap, 330p, 10%, 50v, Ceramic                 | 3198 | 017 | 03310 | 2601   | Cap, 220n, +80/-20%, 25v, Ceramic             | 3198 | 023 | 22240 |
| 2184   | Cap, 2u2, +80/-20%, 10v, Ceramic             | 3198 | 017 | 22250 | 2602   | Cap, 100p, 5%, 50v, Ceramic                   | 3198 | 016 | 01010 |
| 2202   | Cap, 100n, +80/-20%, 25v, Ceramic            | 3198 | 023 | 21040 | 2606   | Cap, 1n, 10%, 50v, Ceramic                    | 3198 | 017 | 01020 |
| 2203   | Cap, 100n, +80/-20%, 25v, Ceramic            | 3198 | 023 | 21040 | 2607   | Cap, 33p, 5%, 50v, Ceramic                    | 3198 | 016 | 03390 |
| 2204   | Cap, 100n, +80/-20%, 25v, Ceramic            | 3198 | 023 | 41040 | 2608   | Cap, 1u, +80/-20%, 16v, Ceramic               | 3198 | 017 | 21050 |
| 2205   | Cap, 220n, +80/-20%, 25v, Ceramic            | 3198 | 023 | 22240 | 2609   | Cap, 33p, 5%, 50v, Ceramic                    | 3198 | 016 | 03390 |
| 2208   | Cap, 100n, +80/-20%, 25v, Ceramic            | 3198 | 023 | 41040 | 2611   | Cap, 1u, +80/-20%, 16v, Ceramic               | 3198 | 017 | 21050 |
| 2209   | Cap, 4u7, 20%, 50v, Electrolytic             | 3198 | 025 | 54780 | 2612   | Cap, 68p, 5%, 50v, Ceramic                    | 3198 | 016 | 06890 |
| 2210   | Cap, 470n, +80/-20%, 10v, Ceramic            | 3198 | 017 | 44740 | 2613   | Cap, 68p, 5%, 50v, Ceramic                    | 3198 | 016 | 06890 |
| 2211   | Cap, 470n, +80/-20%, 16v, Ceramic            | 3198 | 017 | 24740 | 2615   | Cap, 1n, 10%, 50v, Ceramic                    | 3198 | 017 | 01020 |
| 2216   | Cap, 470u, 20%, 16v, Electrolytic            | 3198 | 025 | 24710 | 2618   | Cap, 1u, +80/-20%, 16v, Ceramic               | 3198 | 017 | 21050 |
| 2217   | Cap, 22n, 10%, 25v, Ceramic                  | 3198 | 017 | 32230 | 2619   | Cap, 1u, +80/-20%, 16v, Ceramic               | 3198 | 017 | 21050 |
| 2219   | Cap, 220n, +80/-20%, 25v, Ceramic            | 3198 | 023 | 22240 | 2691   | Cap, 220u, 20%, 25v, Electrolytic             | 3198 | 025 | 32210 |
| 2226   | Cap, 100p, 5%, 50v, Ceramic                  | 3198 | 016 | 31010 | 2861   | Cap, 220n, +80/-20%, 25v, Ceramic             | 3198 | 023 | 22240 |
| 2227   | Cap, 4n7, 10%, 50v, Ceramic                  | 3198 | 017 | 34720 | 2862   | Cap, 2u2, +80/-20%, 10v, Ceramic              | 3198 | 017 | 22250 |
| 2228   | Cap, 820p, 5%, 25v, Ceramic                  | 3198 | 016 | 38210 | 2864   | Cap, 2u2, 20%, 50v, Electrolytic              | 3198 | 025 | 52280 |
| 2229   | Cap, 10u, 20%, 50v, Electrolytic             | 3198 | 025 | 51090 | 2865   | Cap, 2u2, 20%, 50v, Electrolytic              | 3198 | 025 | 52280 |
| 2233   | Cap, 820p, 5%, 50v, Ceramic                  | 3198 | 016 | 08210 | 2866   | Cap, 2u2, +80/-20%, 10v, Ceramic              | 3198 | 017 | 22250 |
| 2241   | Cap, 1n5, 10%, 50v, Ceramic                  | 3198 | 017 | 31520 | 2867   | Cap, 3n3, 10%, 50v, Ceramic                   | 3198 | 017 | 33320 |
| 2242   | Cap, 1u, +80/-20%, 10v, Ceramic              | 3198 | 017 | 41050 | 2868   | Cap, 150p, 5%, 50v, Ceramic                   | 3198 | 016 | 01510 |
| 2243   | Cap, 2n2, 10%, 50v, Ceramic                  | 3198 | 017 | 02220 | 2869   | Cap, 47n, 10%, 50v, Polyester                 | 3198 | 014 | 04730 |
| 2244   | Cap, 100n, 10%, 63v, Metalized Polyeste      | 2222 | 370 | 75104 | 2870   | Cap, 47n, 10%, 50v, Polyester                 | 3198 | 014 | 04730 |
| 2245   | Cap, 220n, +80/-20%, 25v, Ceramic            | 3198 | 023 | 22240 | 2871   | Cap, 150p, 10%, 50v, Ceramic                  | 3198 | 019 | 11510 |
| 2247   | Cap, 470u, 20%, 16v, Electrolytic            | 3198 | 025 | 24710 | 2872   | Cap, 3n3, 10%, 50v, Polyester                 | 3198 | 014 | 03320 |
| 2248   | Cap, 22n, 10%, 25v, Ceramic                  | 3198 | 017 | 32230 | 2873   | Cap, 2u2, +80/-20%, 10v, Ceramic              | 3198 | 017 | 22250 |
| 2249   | Cap, 22n, 10%, 25v, Ceramic                  | 3198 | 017 | 32230 | 2874   | Cap, 100u, 20%, 25v, Electrolytic             | 3198 | 025 | 31010 |
| 2250   | Cap, 2u2, 20%, 50v, Electrolytic             | 3198 | 025 | 52280 | 2875   | Cap, 100u, 20%, 25v, Electrolytic             | 3198 | 025 | 31010 |
| 2252   | Cap, 1n, 5%, 50v, Ceramic                    | 3198 | 016 | 01020 | 2876   | Cap, 4u7, 20%, 50v, Electrolytic              | 3198 | 025 | 54780 |
| 2253   | Cap, 1n, 5%, 50v, Ceramic                    | 3198 | 016 | 01020 | 2877   | Cap, 10u, 20%, 50v, Electrolytic              | 3198 | 025 | 51090 |
| 2254   | Cap, 100p, 5%, 50v, Ceramic                  | 3198 | 016 | 01010 | 2878   | Cap, 1u, 20%, 50v, Electrolytic               | 3198 | 025 | 51080 |
| 2313   | Cap, 220p, 5%, 50v, Ceramic                  | 3198 | 016 | 02210 | 2879   | Cap, 4n7, 10%, 50v, Ceramic                   | 3198 | 017 | 04720 |
| 2323   | Cap, 390p, 5%, 50v, Ceramic                  | 3198 | 016 | 03910 | 2880   | Cap, 22n, 10%, 50v, Ceramic                   | 3198 | 017 | 02230 |
| 2331   | Cap, 390p, 5%, 50v, Ceramic                  | 3198 | 016 | 03910 | 2883   | Cap, 470u, 20%, 16v, Electrolytic             | 3198 | 025 | 24710 |
| 2341   | Cap, 2n2, 10%, 1000v, Ceramic                | 2020 | 558 | 90571 | 2884   | Cap, 2u2, 20%, 50v, Electrolytic              | 3198 | 025 | 52280 |
| 2342   | Cap, 47n, 10%, 250v, Metalized Polyeste      | 2222 | 365 | 45473 | 2885   | Cap, 220n, 10%, 50v, Polyester                | 3198 | 014 | 02240 |
| 2343   | Cap, 47n, 10%, 250v, Metalized Polyeste      | 2222 | 365 | 45473 | 2891   | Cap, 2u2, +80/-20%, 10v, Ceramic              | 3198 | 017 | 22250 |
| 2401   | Cap, 680p, 10%, 50v, Ceramic                 | 3198 | 019 | 16810 | 2902   | Cap, 1000u, 20%, 16v, Electrolytic            | 3198 | 026 | 21020 |
| 2402   | Cap, 820n, 5%, 250v, Metalized Polypropylene | 2222 | 479 | 90029 | 2903   | Cap, 1u, 20%, 50v, Electrolytic               | 3198 | 025 | 51080 |
| 2405   | Cap, 1n, 5%, 50v, Ceramic                    | 3198 | 016 | 01020 | 2904   | Cap, 470n, +80/-20%, 16v, Ceramic             | 3198 | 017 | 24740 |
| 2406   | Cap, 330p, 5%, 50v, Ceramic                  | 3198 | 016 | 03310 | 2905   | Cap, 1n, 5%, 25v, Ceramic                     | 3198 | 016 | 31020 |
| 2407   | Cap, 10n, 5%, 1600v, Polypropylene           | 2222 | 375 | 90154 | 2906   | Cap, 470n, +80/-20%, 16v, Ceramic             | 3198 | 017 | 24740 |
| 2408   | Cap, 22n, +80/-20%, 50v, Ceramic             | 3198 | 019 | 22230 | 2907   | Cap, 1n, 5%, 25v, Ceramic                     | 3198 | 016 | 31020 |
| 2409   | Cap, 47u, 20%, 160v, Electrolytic            | 2020 | 021 | 91139 | 2908   | Cap, 10u, 20%, 50v, Electrolytic              | 3198 | 025 | 51090 |
|        |  |      |     |       | 2950   | Cap, 330p, 5%, 50v, Ceramic                   | 3198 | 016 | 33310 |

S = Safety Part      Be sure to use exact replacement part.



## 20LZ202222 (continued)

|      |   |                |        |   |                |
|------|---|----------------|--------|---|----------------|
| 2981 | Cap, 10u, 20%, 50v, Electrolytic . . .  | 3198 025 51090 | 3425   | Res, 15K, 5%, 1/6W, Carbon Film. . . .  | 3198 011 01530 |
| 2982 | Cap, 470p, 10%, 50v, Ceramic . . . .    | 3198 017 34710 | 3426   | Res, Zero ohm, "Chip" Jumper . . . .    | 3198 021 90020 |
| 2983 | Cap, 10u, 20%, 50v, Electrolytic . . .  | 3198 025 51090 | 3427   | Res, 12K, 5%, 1/6W, Carbon Film. . . .  | 3198 011 01230 |
| 2984 | Cap, 470p, 10%, 50v, Ceramic . . . .    | 3198 017 34710 | 3428   | Res, 39 ohm, 5%, 1/2W, Metal Film. . .  | 2306 207 03399 |
| 3000 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 | 3431   | Res, Zero ohm, "Chip" Jumper . . . .    | 3198 021 90020 |
| 3001 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 | 3432   | Res, 22 ohm, 5%, 1/6W, Carbon Film . .  | 3198 011 02290 |
| 3002 | Res, Zero ohm, "Chip" Jumper . . . .    | 3198 021 90030 | 3433   | Wire Jumper, 0.58MM. . . . .            | 3198 036 90010 |
| 3003 | Res, 1K5, 5%, 1/10W, Metalized Glass .  | 3198 021 51520 | 3471   | Res, 4R7, 1%, 3/5W, Metal Film . . . .  | 2312 915 14708 |
| 3004 | Res, 8K2, 5%, 1/16W, Metalized Glass .  | 3198 021 38220 | 3472   | Res, 4R7, 1%, 3/5W, Metal Film . . . .  | 2312 915 14708 |
| 3005 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 | 3473   | Res, 2K2, 1%, 3/5W, Metal Film . . . .  | 2312 915 12202 |
| 3181 | Res, 75 ohm, 5%, 1/6W, Carbon Film . .  | 3198 011 07590 | 3474   | Res, 1K, 5%, 1/6W, Carbon Film . . . .  | 3198 011 01020 |
| 3182 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 | 3475   | Res, 2K2, 1%, 3/5W, Metal Film . . . .  | 2312 915 12202 |
| 3183 | Res, 150 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01510 | 3476   | Res, 1R5, 5%, 1/3W, Metal Film . . . .  | 2306 204 03158 |
| 3184 | Res, 47K, 5%, 1/10W, Metalized Glass .  | 3198 021 54730 | 3477   | Res, 220 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 02210 |
| 3185 | Res, 150 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01510 | 3478   | Res, 220 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 02210 |
| 3186 | Res, 47K, 5%, 1/10W, Metalized Glass .  | 3198 021 54730 | 3479   | Res, 1K, 5%, 1/6W, Carbon Film . . . .  | 3198 011 01020 |
| 3200 | Res, 390 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 03910 | 3500   | Res, 3M3, 5%, 1/2W, Metalized Glass. .  | 2322 242 13335 |
| 3201 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 | 3501   | Res, 3M3, 5%, 1/2W, Metalized Glass. .  | 2322 242 13335 |
| 3202 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 | S 3502 | NTC, B57237, 3W1, 4R7, 20% . . . . .    | 2122 612 00055 |
| 3203 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 | S 3503 | PTC, ZPB, 120V, 10R, 30% . . . . .      | 2120 661 00026 |
| 3204 | Res, 10K, 5%, 1/6W, Carbon Film. . . .  | 3198 011 01030 | 3506   | Res, 220 ohm, 20%, 1/2W, Carbon Film .  | 3198 013 02210 |
| 3206 | Res, 100K, 5%, 1/10W, Metalized Glass.  | 3198 021 51040 | 3507   | Surge Protector. . . . .                | 2422 549 43073 |
| 3207 | Res, 1K, 5%, 1/6W, Carbon Film . . . .  | 3198 011 01020 | 3508   | Res, 1M5, 5%, 1/2W, Metalized Glass. .  | 2322 242 13155 |
| 3208 | Res, 220 ohm, 5%, 1/16W, Metalized Glas | 3198 021 32210 | 3519   | Res, 270 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 02710 |
| 3209 | Res, 68 ohm, 5%, 1/16W, Metalized Glass | 3198 021 36890 | 3520   | Res, 1K2, 5%, 1/10W, Metalized Glass .  | 3198 021 51220 |
| 3212 | Res, 470 ohm, 5%, 1/16W, Metalized Glas | 3198 021 34710 | 3521   | Res, 22 ohm, 5%, 1/6W, Carbon Film . .  | 3198 011 02290 |
| 3213 | Res, 560 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 05610 | 3522   | Res, 330K, 5%, 1/10W, Metalized Glass.  | 3198 021 53340 |
| 3217 | Res, 330K, 5%, 1/16W, Metalized Glass.  | 3198 021 33340 | 3523   | Res, 100 ohm, 5%, 1/3W, Metal Film . .  | 2306 204 03101 |
| 3218 | Res, 82K, 5%, 1/16W, Metalized Glass .  | 3198 021 38230 | 3524   | Res, 56K, 5%, 1/10W, Metalized Glass .  | 3198 021 55630 |
| 3219 | Res, 2K2, 5%, 1/16W, Metalized Glass .  | 3198 021 32220 | 3525   | Res, 1K, 5%, 1/10W, Metalized Glass. .  | 3198 021 51020 |
| 3226 | Res, 560 ohm, 5%, 1/16W, Metalized Glas | 3198 021 35610 | 3526   | Res, 0R15, 5%, 3/5W, Metal Film. . . .  | 3198 012 11570 |
| 3232 | Res, 2K2, 5%, 1/16W, Metalized Glass .  | 3198 021 32220 | 3527   | Res, 2K2, 5%, 1/3W, Metal Film . . . .  | 2306 204 03222 |
| 3235 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 | 3528   | Res, 10K, 5%, 1/10W, Metalized Glass .  | 3198 021 51030 |
| 3241 | Res, 22K, 5%, 1/16W, Metalized Glass .  | 3198 021 32230 | 3529   | Res, 47K, 5%, 1/10W, Metalized Glass .  | 3198 021 54730 |
| 3242 | Res, 12K, 5%, 1/10W, Metalized Glass .  | 3198 021 51230 | 3530   | Res, 4K7, 5%, 1/10W, Metalized Glass .  | 3198 021 54720 |
| 3244 | Res, 820 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 08210 | 3531   | Res, Zero ohm, "Chip" Jumper . . . .    | 3198 021 90020 |
| 3245 | Res, 39K, 5%, 1/16W, Metalized Glass .  | 3198 021 33930 | 3541   | Res, 470 ohm, 5%, 1/10W, Metalized Glas | 3198 021 54710 |
| 3246 | Res, 10K, 5%, 1/16W, Metalized Glass .  | 3198 021 31030 | 3542   | Res, 1K5, 5%, 1/10W, Metalized Glass .  | 3198 021 51520 |
| 3247 | Res, 220K, 5%, 1/10W, Metalized Glass.  | 3198 021 52240 | 3543   | Res, 82K, 1%, 3/5W, Metal Film . . . .  | 2312 915 18203 |
| 3248 | Res, 27K, 5%, 1/16W, Metalized Glass .  | 3198 021 32730 | 3544   | Res, 6K8, 1%, 3/5W, Metal Film . . . .  | 2312 915 16802 |
| 3249 | Res, 820 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 08210 | 3545   | Res, 82K, 5%, 1/10W, Metalized Glass .  | 3198 021 58230 |
| 3251 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 | 3546   | Res, Zero ohm, "Chip" Jumper . . . .    | 3198 021 90020 |
| 3254 | Res, 1M, 5%, 1/10W, Metalized Glass. .  | 3198 021 51050 | 3547   | Res, 0R33, 5%, 3/5W, Metal Film. . . .  | 3198 012 13370 |
| 3256 | Res, 1K, 5%, 1/16W, Metalized Glass. .  | 3198 021 31020 | 3548   | Res, 8K2, 5%, 1/10W, Metalized Glass .  | 3198 021 58220 |
| 3257 | Res, 10M, 5%, 1/16W, Metalized Glass .  | 3198 021 31060 | 3549   | Res, 220 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 02210 |
| 3258 | Res, 330K, 5%, 1/10W, Metalized Glass.  | 3198 021 53340 | 3552   | Res, 4K7, 5%, 1/10W, Metalized Glass .  | 3198 021 54720 |
| 3259 | Res, 470K, 5%, 1/16W, Metalized Glass.  | 3198 021 34740 | 3559   | Res, 1K, 5%, 1/10W, Metalized Glass. .  | 3198 021 51020 |
| 3311 | Res, 1K5, 5%, 1/10W, Metalized Glass .  | 3198 021 51520 | 3560   | Res, 47 ohm, 5%, 1/6W, Carbon Film . .  | 3198 011 04790 |
| 3312 | Res, 330 ohm, 5%, 1/10W, Metalized Glas | 3198 021 53310 | 3561   | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 |
| 3313 | Res, 10 ohm, 5%, 1/10W, Metalized Glass | 3198 021 51090 | 3562   | Res, 10K, 5%, 1/10W, Metalized Glass .  | 3198 021 51030 |
| 3314 | Res, 18K, 5%, 2 1/2W, Metal Film . . .  | 2322 195 63183 | 3563   | Res, 4K7, 5%, 1/10W, Metalized Glass .  | 3198 021 54720 |
| 3316 | Res, 68 ohm, 5%, 1/3W, Metal Film. . .  | 2306 204 03689 | 3564   | Res, 0R1, 5%, 1 1/3W, Metal Film . . .  | 3198 012 21070 |
| 3317 | Res, 1K5, 20%, 1/2W, Carbon Film . . .  | 3198 013 01520 | 3565   | Res, 330 ohm, 5%, 1W, Metal Film . . .  | 3198 012 13310 |
| 3321 | Res, 1K5, 5%, 1/10W, Metalized Glass .  | 3198 021 51520 | 3566   | Res, 2K2, 5%, 1/10W, Metalized Glass .  | 3198 021 52220 |
| 3322 | Res, 330 ohm, 5%, 1/10W, Metalized Glas | 3198 021 53310 | 3567   | Res, 1K8, 5%, 1/16W, Metalized Glass .  | 3198 021 31820 |
| 3323 | Res, 10 ohm, 5%, 1/10W, Metalized Glass | 3198 021 51090 | 3568   | Res, 8K2, 5%, 1/10W, Metalized Glass .  | 3198 021 58220 |
| 3324 | Res, 18K, 5%, 2 1/2W, Metal Film . . .  | 2322 195 63183 | 3569   | Res, 5K6, 5%, 1/10W, Metalized Glass .  | 3198 021 55620 |
| 3326 | Res, 68 ohm, 5%, 1/3W, Metal Film. . .  | 2306 204 03689 | 3580   | Res, 47K, 5%, 1/10W, Metalized Glass .  | 3198 021 54730 |
| 3327 | Res, 1K5, 20%, 1/2W, Carbon Film . . .  | 3198 013 01520 | 3591   | Res, Zero ohm, "Chip" Jumper . . . .    | 3198 021 90020 |
| 3331 | Res, 1K5, 5%, 1/10W, Metalized Glass .  | 3198 021 51520 | 3595   | Res, 180K, 5%, 1/10W, Metalized Glass.  | 2120 108 91721 |
| 3332 | Res, 330 ohm, 5%, 1/10W, Metalized Glas | 3198 021 53310 | 3596   | Res, 180K, 5%, 1/10W, Metalized Glass.  | 2120 108 91721 |
| 3333 | Res, 10 ohm, 5%, 1/10W, Metalized Glass | 3198 021 51090 | 3603   | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 |
| 3334 | Res, 18K, 5%, 2 1/2W, Metal Film . . .  | 2322 195 63183 | 3604   | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 |
| 3336 | Res, 68 ohm, 5%, 1/3W, Metal Film. . .  | 2306 204 03689 | 3605   | Res, 4K7, 5%, 1/10W, Metalized Glass .  | 3198 021 54720 |
| 3337 | Res, 1K5, 20%, 1/2W, Carbon Film . . .  | 3198 013 01520 | 3606   | Res, 2K2, 5%, 1/6W, Carbon Film. . . .  | 3198 011 02220 |
| 3341 | Res, 1K5, 20%, 1/2W, Carbon Film . . .  | 3198 013 01520 | 3607   | Res, 2K2, 5%, 1/6W, Carbon Film. . . .  | 3198 011 02220 |
| 3347 | Res, 220 ohm, 5%, 1/3W, Metal Film . .  | 2306 204 03221 | 3608   | Res, 470 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 04710 |
| 3348 | Res, 1K5, 20%, 1/2W, Carbon Film . . .  | 3198 013 01520 | 3611   | Res, 100 ohm, 5%, 1/10W, Metalized Glas | 3198 021 51010 |
| 3349 | Res, 1R2, 5%, 1/3W, Metal Film . . . .  | 2306 204 03128 | 3618   | Res, 6K8, 5%, 1/6W, Carbon Film. . . .  | 3198 011 06820 |
| 3350 | Res, 1R2, 5%, 1/3W, Metal Film . . . .  | 2306 204 03128 | 3622   | Res, Zero ohm, "Chip" Jumper . . . .    | 3198 021 90020 |
| 3401 | Res, 330K, 5%, 1/2W, Metalized Glass .  | 2322 242 13334 | 3623   | Res, 4K7, 5%, 1/16W, Metalized Glass .  | 3198 021 34720 |
| 3402 | Res, 18K, 5%, 1/6W, Carbon Film. . . .  | 3198 011 01830 | 3624   | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 |
| 3403 | Res, 22 ohm, 5%, 2 1/2W, Metal Film. .  | 3198 012 32290 | 3625   | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 |
| 3404 | Res, 6R8, 5%, 1/3W, Metal Film . . . .  | 2306 204 03688 | 3626   | Res, 4K7, 5%, 1/10W, Metalized Glass .  | 3198 021 54720 |
| 3406 | Res, 10K, 5%, 1/6W, Carbon Film. . . .  | 3198 011 01030 | 3627   | Res, 4K7, 5%, 1/10W, Metalized Glass .  | 3198 021 54720 |
| 3407 | Res, 220 ohm, 5%, 2 1/2W, Metal Film .  | 3198 012 32210 | 3628   | Res, 10K, 5%, 1/10W, Metalized Glass .  | 3198 021 51030 |
| 3408 | Res, 1K, 5%, 1/6W, Carbon Film . . . .  | 3198 011 01020 | 3630   | Res, 470 ohm, 1%, 1/10W, Metalized Glas | 2120 108 92612 |
| 3410 | Res, 33K, 5%, 1/10W, Metalized Glass .  | 3198 021 53330 | 3632   | Res, Zero ohm, "Chip" Jumper . . . .    | 3198 021 90020 |
| 3411 | Res, 10 ohm, 5%, 1/3W, Metal Film. . .  | 2306 204 03109 | 3635   | Wire Jumper, 0.58MM. . . . .            | 3198 036 90010 |
| 3412 | Res, 3K3, 1%, 3/5W, Metal Film . . . .  | 2312 915 13302 | 3636   | Res, 100 ohm, 5%, 1/10W, Metalized Glas | 3198 021 51010 |
| 3413 | Res, 10K, 5%, 1/10W, Metalized Glass .  | 3198 021 51030 | 3639   | Res, Zero ohm, "Chip" Jumper . . . .    | 3198 021 90030 |
| 3414 | Res, 1K5, 1%, 3/5W, Metal Film . . . .  | 2312 915 11502 | 3681   | Res, 180 ohm, 1%, 1/10W, Metalized Glas | 2120 108 92606 |
| 3415 | Res, 1K, 5%, 1/6W, Carbon Film . . . .  | 3198 011 01020 | 3682   | Res, 270 ohm, 1%, 1/10W, Metalized Glas | 2120 108 92608 |
| 3416 | Res, 3R9, 5%, 1/2W, Metal Film . . . .  | 2306 207 03398 | 3683   | Res, 390 ohm, 1%, 1/10W, Metalized Glas | 2120 108 92611 |
| 3417 | Res, 33K, 5%, 1/6W, Carbon Film. . . .  | 3198 011 03330 | 3684   | Res, 390 ohm, 1%, 1/10W, Metalized Glas | 2120 108 92611 |
| 3418 | Res, 33K, 5%, 1/10W, Metalized Glass .  | 3198 021 53330 | 3686   | Res, Zero ohm, "Chip" Jumper . . . .    | 3198 021 90020 |
| 3419 | Res, 6K8, 5%, 1/10W, Metalized Glass .  | 3198 021 56820 | 3687   | Res, 75 ohm, 1%, 1/10W, Metalized Glass | 2120 108 91437 |
| 3420 | Res, 33K, 5%, 1/10W, Metalized Glass .  | 3198 021 53330 | 3688   | Res, 68 ohm, 1%, 1/10W, Metalized Glass | 2120 108 92603 |
| 3421 | Res, 6R8, 5%, 1 1/3W, Metal Film . . .  | 3198 012 26880 | 3689   | Res, 2K7, 1%, 1/10W, Metalized Glass .  | 2120 108 92621 |
| 3422 | Res, 100 ohm, 5%, 1/10W, Metalized Glas | 3198 021 51010 | 3691   | Res, 330 ohm, 5%, 1/10W, Metalized Glas | 3198 021 53310 |
| 3423 | Res, 820 ohm, 5%, 1/10W, Metalized Glas | 3198 021 58210 | 3693   | Res, 220 ohm, 5%, 1/10W, Metalized Glas | 3198 021 52210 |
| 3424 | Res, 100 ohm, 5%, 1/6W, Carbon Film. .  | 3198 011 01010 | 3694   | Res, 4K7, 5%, 1/10W, Metalized Glass .  | 3198 021 54720 |

S = Safety Part Be sure to use exact replacement part.

## 20LZ202222 (continued)

|        |  |      |     |       |        |   |      |     |       |
|--------|--|------|-----|-------|--------|---|------|-----|-------|
| 3861   | Res, 100K, 5%, 1/10W, Metalized Glass.   | 3198 | 021 | 51040 | 6423   | Diode, Rect, BYD33D . . . . .           | 9337 | 234 | 00133 |
| 3862   | Res, 15K, 5%, 1/10W, Metalized Glass .   | 3198 | 021 | 51530 | 6471   | Diode, Rect, BYD33D . . . . .           | 9337 | 234 | 00133 |
| 3863   | Res, 1K2, 5%, 1/10W, Metalized Glass .   | 3198 | 021 | 51220 | 6500   | Diode, Rect, 1N5062 . . . . .           | 3198 | 010 | 10120 |
| 3864   | Res, 100 ohm, 5%, 1/10W, Metalized Glas  | 3198 | 021 | 51010 | 6501   | Diode, Rect, 1N5062 . . . . .           | 3198 | 010 | 10120 |
| 3865   | Res, 100 ohm, 5%, 1/6W, Carbon Film. .   | 3198 | 011 | 01010 | 6502   | Diode, Rect, 1N5062 . . . . .           | 3198 | 010 | 10120 |
| 3866   | Res, 100 ohm, 5%, 1/6W, Carbon Film. .   | 3198 | 011 | 01010 | 6503   | Diode, Rect, 1N5062 . . . . .           | 3198 | 010 | 10120 |
| 3867   | Res, 3K3, 5%, 1/10W, Metalized Glass .   | 3198 | 021 | 53320 | 6520   | Diode, Rect, BYD33D . . . . .           | 9337 | 234 | 00133 |
| 3901   | Res, 1K, 5%, 1/16W, Metalized Glass. .   | 3198 | 021 | 31020 | 6523   | Diode, Signal, 1N4148. . . . .          | 3198 | 010 | 10010 |
| 3902   | Res, 3K3, 5%, 1/16W, Metalized Glass .   | 3198 | 021 | 33320 | 6540   | Zener Diode, 6.2 volt. . . . .          | 9331 | 668 | 30133 |
| 3903   | Res, 3K3, 5%, 1/16W, Metalized Glass .   | 3198 | 021 | 33320 | 6541   | Zener Diode, 10 volt . . . . .          | 3198 | 010 | 21090 |
| 3904   | Res, 10K, 5%, 1/10W, Metalized Glass .   | 3198 | 021 | 51030 | 6560   | Diode, Rectifier, BYW76 RAS15-10. . . . | 9322 | 187 | 13682 |
| 3905   | Res, 3K3, 5%, 1/16W, Metalized Glass .   | 3198 | 021 | 33320 | 6561   | Diode, Rectifier, BYW76 RAS15-10 . . .  | 9322 | 187 | 13682 |
| 3906   | Res, 10K, 5%, 1/10W, Metalized Glass .   | 3198 | 021 | 51030 | 6562   | Diode, Rect, EGP20DL-5100 . . . . .     | 9322 | 164 | 42682 |
| 3907   | Res, 8K2, 5%, 1/16W, Metalized Glass .   | 3198 | 021 | 38220 | 6563   | Diode, Signal, BAS316. . . . .          | 3198 | 010 | 10630 |
| 3981   | Res, 120 ohm, 5%, 1/6W, Carbon Film. .   | 3198 | 011 | 01210 | 6565   | Diode, Signal, BAS316. . . . .          | 9331 | 849 | 10215 |
| 3982   | Res, 120 ohm, 5%, 1/6W, Carbon Film. .   | 3198 | 011 | 01210 | 6566   | Diode, Signal, BAS316. . . . .          | 3198 | 010 | 10630 |
| 4001   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 | 021 | 90030 | 6569   | Diode, Signal, BAS316. . . . .          | 3198 | 010 | 10630 |
| 4002   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 | 021 | 90030 | 6570   | Zener Diode, 6.8 volt. . . . .          | 3198 | 020 | 56880 |
| 4181   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 | 021 | 90020 | 6580   | Diode, Signal, BAS316. . . . .          | 3198 | 010 | 10630 |
| 4214   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 | 021 | 90030 | 6691   | LED, LTL-10224WHCR. . . . .             | 9322 | 050 | 99682 |
| 4216   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 | 021 | 90030 | 6692   | IR Receiver, TSOP1836UH3V . . . . .     | 9322 | 127 | 54667 |
| 4217   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 | 021 | 90020 | 6901   | Res, Zero ohm, "Chip" Jumper . . . . .  | 3198 | 021 | 90020 |
| 4410   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 | 021 | 90020 | 7200   | IC, TDA9577H/N1/A/0819 . . . . .        | 9352 | 716 | 20557 |
| 4411   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 | 021 | 90020 | 7201   | Transistor, NPN, BC847B. . . . .        | 3198 | 010 | 42030 |
| 4501   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 | 021 | 90020 | 7204   | Transistor, PNP, BC857B. . . . .        | 3198 | 010 | 42150 |
| 4562   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 | 021 | 90020 | 7241   | Transistor, PNP, PDA114ET . . . . .     | 3198 | 010 | 44010 |
| 4601   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 | 021 | 90020 | 7311   | Transistor, NPN, BF422 . . . . .        | 3198 | 020 | 43010 |
| 4613   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 | 021 | 90020 | 7312   | Transistor, NPN, BF422 . . . . .        | 3198 | 020 | 43010 |
| 4614   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 | 021 | 90020 | 7313   | Transistor, PNP, BF423 . . . . .        | 3198 | 020 | 43020 |
| 4615   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 | 021 | 90020 | 7321   | Transistor, NPN, BF422 . . . . .        | 3198 | 020 | 43010 |
| 4616   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 | 021 | 90020 | 7322   | Transistor, NPN, BF422 . . . . .        | 3198 | 020 | 43010 |
| 4617   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 | 021 | 90020 | 7323   | Transistor, PNP, BF423 . . . . .        | 3198 | 020 | 43020 |
| 4618   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 | 021 | 90020 | 7331   | Transistor, NPN, BF422 . . . . .        | 3198 | 020 | 43010 |
| 4619   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 | 021 | 90020 | 7332   | Transistor, NPN, BF422 . . . . .        | 3198 | 020 | 43010 |
| 4622   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 | 021 | 90020 | 7333   | Transistor, PNP, BF423 . . . . .        | 3198 | 020 | 43020 |
| 4623   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 | 021 | 90020 | 7401   | Transistor, NPN, PDA114ET . . . . .     | 9340 | 547 | 00215 |
| 4691   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 | 021 | 90020 | 7402   | Transistor, NPN, BUT11APX. . . . .      | 9340 | 563 | 21127 |
| 4692   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 | 021 | 90020 | 7403   | Transistor, NPN, BC337-25. . . . .      | 3198 | 020 | 43530 |
| 4693   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 | 021 | 90020 | 7404   | Transistor, PNP, BC327-25. . . . .      | 3198 | 020 | 43430 |
| 4901   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 | 021 | 90030 | 7405   | Transistor, PNP, BC857B. . . . .        | 3198 | 010 | 42150 |
| 4903   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 | 021 | 90030 | 7406   | Transistor, PNP, BC857B. . . . .        | 3198 | 010 | 42150 |
| 4911   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 | 021 | 90020 | 7407   | Transistor, NPN, BD135 . . . . .        | 3198 | 020 | 41010 |
| 4982   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 | 021 | 90020 | 7408   | Transistor, NPN, BD135 . . . . .        | 3198 | 020 | 41010 |
| 5001   | Coil, 5u6. . . . .                       | 3198 | 018 | 25680 | 7409   | Transistor, PNP, BC857B. . . . .        | 3198 | 010 | 42150 |
| 5002   | Coil, 820n . . . . .                     | 3198 | 018 | 18270 | 7471   | IC, TDA9302H . . . . .                  | 9322 | 088 | 25682 |
| 5201   | Coil, 6u8. . . . .                       | 3198 | 018 | 16880 | S 7515 | Optic Coupler, TCET1104(G) . . . . .    | 9322 | 175 | 72667 |
| 5202   | Coil, 10u. . . . .                       | 3198 | 018 | 21090 | 7520   | IC, TEA1507P/N1. . . . .                | 9352 | 673 | 56112 |
| 5241   | Coil, 10u. . . . .                       | 3198 | 018 | 21090 | 7521   | F.E.T. Power, STP5NC50FP . . . . .      | 9322 | 160 | 71687 |
| 5242   | Coil, 10u. . . . .                       | 3198 | 018 | 11090 | 7522   | Transistor, NPN, BC847B. . . . .        | 3198 | 010 | 42030 |
| 5341   | Coil, 22u. . . . .                       | 2422 | 535 | 95365 | 7540   | Transistor, NPN, BC547B. . . . .        | 3198 | 020 | 40030 |
| 5342   | Fixed, Inductor, 100MHz, 50R. . . . .    | 3198 | 018 | 90010 | 7541   | Transistor, NPN, PDA114ET . . . . .     | 9340 | 310 | 10215 |
| 5408   | Coil, 27u. . . . .                       | 2422 | 535 | 95366 | 7542   | Transistor, PNP, BC857B. . . . .        | 3198 | 010 | 42150 |
| 5410   | Coil, 27u. . . . .                       | 2422 | 535 | 95366 | 7560   | IC, L78L33ACZ. . . . .                  | 9322 | 134 | 92676 |
| 5444   | Transformer, Signal Driver, SC100. . . . | 2422 | 531 | 02446 | 7561   | Transistor, NPN, PDA114ET . . . . .     | 9340 | 547 | 00215 |
| 5445   | Transformer. . . . .                     | 3128 | 138 | 21541 | 7562   | Transistor, PNP, BC857B. . . . .        | 3198 | 010 | 42150 |
| S 5502 | Filter, Mains, 5Mh, 1A C914-01 Y . . . . | 2422 | 549 | 44284 | 7564   | Transistor, PNP, BC857B. . . . .        | 3198 | 010 | 42150 |
| 5520   | Transformer, SMT, SS28032-01A B. . . .   | 2422 | 531 | 02458 | 7580   | Transistor, PNP, BC857B. . . . .        | 3198 | 010 | 42150 |
| 5521   | Fixed, Inductor, 100MHz, 50R. . . . .    | 3198 | 018 | 90010 | 7602   | IC, M24C08-WBN6. . . . .                | 9322 | 154 | 38682 |
| 5560   | Fixed, Inductor, 100MHz, 50R. . . . .    | 3198 | 018 | 90010 | 7861   | IC, TDA9853H/V1. . . . .                | 9352 | 671 | 19557 |
| 5561   | Coil, 27u. . . . .                       | 3198 | 018 | 22790 | 7901   | IC, AN7522N. . . . .                    | 9322 | 158 | 65667 |
| 5562   | Fixed, Inductor, 100MHz, 50R. . . . .    | 3198 | 018 | 90010 | 9001   | Wire Jumper, 0.58MM. . . . .            | 3198 | 036 | 90010 |
| 5563   | Fixed, Inductor, 100MHz, 50R. . . . .    | 3198 | 018 | 90010 | 9171   | Wire Jumper, 0.58MM. . . . .            | 3198 | 036 | 90010 |
| 5602   | Coil, 5u6. . . . .                       | 3198 | 018 | 15680 | 9172   | Wire Jumper, 0.58MM. . . . .            | 3198 | 036 | 90010 |
| 5603   | Coil, 5u6. . . . .                       | 3198 | 018 | 15680 | 9173   | Wire Jumper, 0.58MM. . . . .            | 3198 | 036 | 90010 |
| 5604   | Coil, 5u6. . . . .                       | 3198 | 018 | 15680 | 9174   | Wire Jumper, 0.58MM. . . . .            | 3198 | 036 | 90010 |
| 5861   | Coil, 10u. . . . .                       | 3198 | 018 | 11090 | 9175   | Wire Jumper, 0.58MM. . . . .            | 3198 | 036 | 90010 |
| 6001   | Zener Diode, 33 volt . . . . .           | 3198 | 010 | 23390 | 9177   | Wire Jumper, 0.58MM. . . . .            | 3198 | 036 | 90010 |
| 6201   | Diode, Signal, BAS316. . . . .           | 3198 | 010 | 10630 | 9181   | Wire Jumper, 0.58MM. . . . .            | 3198 | 036 | 90010 |
| 6202   | Diode, Signal, BAS316. . . . .           | 3198 | 010 | 10630 | 9182   | Wire Jumper, 0.58MM. . . . .            | 3198 | 036 | 90010 |
| 6206   | Zener Diode, 6.8 volt. . . . .           | 3198 | 020 | 56880 | 9183   | Wire Jumper, 0.58MM. . . . .            | 3198 | 036 | 90010 |
| 6241   | Zener Diode, 6.8 volt. . . . .           | 3198 | 020 | 56880 | 9184   | Wire Jumper, 0.58MM. . . . .            | 3198 | 036 | 90010 |
| 6311   | Diode, Signal, BAV21 . . . . .           | 3198 | 010 | 10070 | 9191   | Wire Jumper, 0.58MM. . . . .            | 3198 | 036 | 90010 |
| 6321   | Diode, Signal, BAV21 . . . . .           | 3198 | 010 | 10070 | 9192   | Wire Jumper, 0.58MM. . . . .            | 3198 | 036 | 90010 |
| 6331   | Diode, Signal, BAV21 . . . . .           | 3198 | 010 | 10070 | 9193   | Wire Jumper, 0.58MM. . . . .            | 3198 | 036 | 90010 |
| 6341   | Diode, Signal, BAV21 . . . . .           | 3198 | 010 | 10070 | 9301   | Wire Jumper, 0.58MM. . . . .            | 3198 | 036 | 90010 |
| 6342   | Diode, Signal, BA282 . . . . .           | 9337 | 587 | 20673 | 9302   | Wire Jumper, 0.58MM. . . . .            | 3198 | 036 | 90010 |
| 6343   | Zener Diode, 8.2 volt. . . . .           | 3198 | 020 | 58280 | 9303   | Wire Jumper, 0.58MM. . . . .            | 3198 | 036 | 90010 |
| 6344   | Res, Zero ohm, "Chip" Jumper . . . . .   | 3198 | 021 | 90020 | 9304   | Wire Jumper, 0.58MM. . . . .            | 3198 | 036 | 90010 |
| 6401   | Diode, Signal, BAV21 . . . . .           | 3198 | 010 | 10070 | 9402   | Wire Jumper, 0.58MM. . . . .            | 3198 | 036 | 90010 |
| 6402   | Diode, Rect, BYV27-200. . . . .          | 9322 | 126 | 72673 | 9403   | Wire Jumper, 0.58MM. . . . .            | 3198 | 036 | 90010 |
| 6404   | Diode, Rect, BYD33M . . . . .            | 9337 | 410 | 30133 | 9404   | Wire Jumper, 0.58MM. . . . .            | 3198 | 036 | 90010 |
| 6405   | Diode, Rect, BYD33D . . . . .            | 9337 | 234 | 00133 | 9420   | Wire Jumper, 0.58MM. . . . .            | 3198 | 036 | 90010 |
| 6406   | Diode, Signal, BAV70 . . . . .           | 9331 | 849 | 10215 | 9421   | Wire Jumper, 0.58MM. . . . .            | 3198 | 036 | 90010 |
| 6407   | Diode, Signal, BAS316. . . . .           | 3198 | 010 | 10630 | 9425   | Wire Jumper, 0.58MM. . . . .            | 3198 | 036 | 90010 |
| 6408   | Diode, Signal, BAS316. . . . .           | 3198 | 010 | 10630 | 9426   | Wire Jumper, 0.58MM. . . . .            | 3198 | 036 | 90010 |
| 6409   | Diode, Rect, BYD33D . . . . .            | 9337 | 234 | 00133 | 9427   | Wire Jumper, 0.58MM. . . . .            | 3198 | 036 | 90010 |
| 6410   | Diode, Rect, BYD33D . . . . .            | 9337 | 234 | 00133 | 9428   | Wire Jumper, 0.58MM. . . . .            | 3198 | 036 | 90010 |
| 6413   | Diode, Signal, 1N4148. . . . .           | 3198 | 010 | 10010 | 9430   | Wire Jumper, 0.58MM. . . . .            | 3198 | 036 | 90010 |
| 6414   | Zener Diode, 6.2 volt. . . . .           | 9331 | 668 | 30133 | 9431   | Wire Jumper, 0.58MM. . . . .            | 3198 | 036 | 90010 |
| 6415   | Diode, Signal, BAS316. . . . .           | 3198 | 010 | 10630 | 9432   | Wire Jumper, 0.58MM. . . . .            | 3198 | 036 | 90010 |
| 6419   | Zener Diode, 5.6 volt. . . . .           | 9331 | 177 | 30133 | 9433   | Wire Jumper, 0.58MM. . . . .            | 3198 | 036 | 90010 |
| 6420   | Zener Diode, 9.1 volt. . . . .           | 9331 | 177 | 80133 | 9434   | Wire Jumper, 0.58MM. . . . .            | 3198 | 036 | 90010 |

S = Safety Part Be sure to use exact replacement part.

## 20LZ202222 (continued)

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| 9471 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9500 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9501 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9504 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9505 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9506 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9507 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9508 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9509 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9510 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9511 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9512 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9513 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9514 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9517 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9520 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9521 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9522 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9523 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9524 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9611 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9612 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9613 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9614 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9615 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9616 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9617 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9619 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9620 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9621 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9622 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9623 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9624 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9625 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9626 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9627 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9628 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9630 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9631 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9632 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9633 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9634 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9637 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9638 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9639 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9640 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9641 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9642 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9643 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9644 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9645 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9648 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9650 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9653 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9654 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9657 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9658 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9659 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9660 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9661 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9662 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9663 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9664 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9665 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9666 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9668 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9669 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9670 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9672 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9673 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9674 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9675 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9676 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9678 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9679 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9680 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9682 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9683 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9684 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9686 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9687 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9688 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9689 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9690 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9691 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9695 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9697 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9698 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9699 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9811 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9812 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9813 | Wire Jumper, 0.58MM. | 3198 036 90010 |

|      |                      |                |
|------|----------------------|----------------|
| 9815 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9816 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9817 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9818 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9819 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9852 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9890 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9894 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9911 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9912 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9913 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9914 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9915 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9916 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9917 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9921 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9991 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9993 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9994 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9996 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9997 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| 9998 | Wire Jumper, 0.58MM. | 3198 036 90010 |
| CBA  | Main Chassis         | 3139 177 21181 |

### Model 20LZ202222 Cabinet Parts

| Model 20LZ202222 Cabinet Parts |   |                |
|--------------------------------|---|----------------|
| S AC01                         | AC Power Cord.                                      | 3135 010 04781 |
| AC03                           | Cabinet, Back.                                      | 3121 237 52951 |
| AC04                           | Cabinet, Front                                      | 3139 137 83621 |
| AC05                           | Chassis Guide.                                      | 3135 014 00691 |
| AC06                           | Control Buttons.                                    | 3139 137 83601 |
| S AC08                         | CRT A48JLL40X46(MO).                                | 9322 166 57682 |
| AC09                           | Coil, Degaussing                                    | 2422 549 44428 |
| AC10                           | Holder, Degaussing (4 Used).                        | 3135 013 01641 |
| AC11                           | Light Guide.  | 3139 124 36021 |
| AC13                           | Owner's Manual                                      | 3121 235 20521 |
| S AC14                         | Power Button  | 3139 137 83611 |
| AC16                           | Speaker, 16 ohm, 5W, (2 Used).                      | 2422 264 00411 |
| AC18                           | ITC = Integrated Tube Component, CRT & Yoke Pre-Set | 0000 000 00ITC |
| AC21                           | Battery, 1.5V, (2-Pack).                            | 9299 000 65263 |
| AC24                           | Spring, Degaussing Coil (Not Shown).                | 3139 121 26231 |
| AC32                           | Braid, Assembly.                                    | 3135 010 07321 |
| AC34                           | Wordmark (Not Shown)                                | 3139 120 01391 |
| REMOTE                         | Remote Transmitter, RC19335004/01.                  | 3139 228 86462 |

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## Main Chassis

| Main Chassis |  |      |     | 2423  | 10uF., 20%, 100V, Electrolytic         | 2020                                     | 021  | 90813 |       |
|--------------|--|------|-----|-------|--|--|------|-------|-------|
|              | Main Chassis                             |      |     | 2471  | 0.1uF., 10%, 50V, Metalized Polyester. | 3198                                     | 014  | 01040 |       |
| 0127         | 2 Pin Fuse Socket.                       | 3122 | 358 | 71251 | 2472                                   | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014   | 01040 |
| 0138         | IC-SPRING FOR ITEM 7471 (IC TDA9302H).   | 3104 | 301 | 22081 | 2473                                   | 100uF., 20%, 50V, Electrolytic           | 2020 | 021   | 90587 |
| 0139         | IC-SPRING 7402                           | 3139 | 121 | 24581 | 2475                                   | 470pF., 50V, Ceramic                     | 3198 | 016   | 04710 |
| 0211         | 2 Pin Connector (AC Input Plug).         | 2422 | 025 | 16269 | 2476                                   | 0.22uF., 10%, 50V, Metalized Polyester   | 3198 | 014   | 02240 |
| 0212         | 2 Pin Connector (Degaussing Plug (RED))  | 2422 | 025 | 16375 | 2477                                   | 470pF., 50V, Ceramic                     | 3198 | 016   | 04710 |
| 0217         | 3 Pin Connector.                         | 2412 | 020 | 00725 | 2500                                   | 0.47uF., 20%, 275V, Metalized Polypropyl |      |       |       |
| 0218         | 2 Pin Connector.                         | 2422 | 026 | 04637 |  | ene.                                     | 2022 | 330   | 00018 |
| 0220         | 3 Pin Connector.                         | 2422 | 025 | 04851 | 2501                                   | 2200pF., 1kV, Ceramic.                   | 3198 | 019   | 52220 |
| 0221         | 6 Pin Connector.                         | 2422 | 025 | 15503 | 2502                                   | 2200pF., 1kV, Ceramic.                   | 3198 | 019   | 52220 |
| 0222         | 2 Pin Connector.                         | 2422 | 025 | 10646 | 2503                                   | 220uF., 20%, 200V, Electrolytic          | 2020 | 024   | 90557 |
| 0232         | Headphone Jack                           | 2422 | 026 | 04747 | 2504                                   | 2200pF., 1kV, Ceramic.                   | 3198 | 019   | 52220 |
| 0243         | 6 Pin Connector.                         | 2422 | 025 | 04854 | 2505                                   | 2200pF., 1kV, Ceramic.                   | 3198 | 019   | 52220 |
| 0244         | 3 Pin Connector.                         | 2422 | 025 | 04851 | 2506                                   | 2200pF., 1kV, Ceramic.                   | 3198 | 019   | 52220 |
| 0245         | 6 Pin Connector.                         | 2422 | 025 | 04854 | 2508                                   | 470pF., 1kV, 10%, Ceramic.               | 3198 | 019   | 64710 |
| 0246         | 3 Pin Connector.                         | 2412 | 020 | 00725 | 2515                                   | 1500pF., 250V, 20%, Ceramic.             | 2020 | 554   | 90172 |
| 0254         | 9 Pin CRT Socket (M-NECK).               | 2422 | 500 | 80068 | 2520                                   | 0.1uF., 16V, Ceramic                     | 3198 | 017   | 01040 |
| 1000         | Tuner V+U PLL F ENV56D98G3               | 2422 | 542 | 90108 | 2521                                   | 22uF., 20%, 50V, Electrolytic.           | 3198 | 025   | 52290 |
| 1002         | 45.75 MHz Saw Filter F072TPL-A           | 2422 | 549 | 44327 | 2522                                   | 0.1uF., 16V, Ceramic                     | 3198 | 017   | 01040 |
| 1200         | 4.5MHz Ceramic Filter, TPS*MB.           | 2422 | 549 | 40807 | 2523                                   | 1500pF., 2kV, 10%, Ceramic               | 2020 | 558   | 90489 |
| 1500         | 5 Amp, 250V, Fuse (5X20)                 | 2422 | 086 | 10905 | 2525                                   | 470pF, 50V, Ceramic.                     | 3198 | 017   | 04710 |
| 1600         | Tact Switch.                             | 2422 | 128 | 02742 | 2526                                   | 0.001uF., 50V, Ceramic                   | 3198 | 017   | 01020 |
| 1601         | Tact Switch.                             | 2422 | 128 | 02742 | 2527                                   | 470pF, 50V, Ceramic.                     | 3198 | 017   | 04710 |
| 1602         | Tact Switch.                             | 2422 | 128 | 02742 | 2540                                   | 0.015uF., 50V, Ceramic                   | 3198 | 017   | 01530 |
| 1603         | Tact Switch.                             | 2422 | 128 | 02742 | 2560                                   | 1000pF., 1kV, 10%, Ceramic               | 3198 | 019   | 61020 |
| 1606         | Tact Switch.                             | 2422 | 128 | 02742 | 2561                                   | 47uF., 20%, 160V, Electrolytic           | 2020 | 021   | 91358 |
| 1660         | 12MHz, Crystal Resonator, HC49/U A       | 2422 | 543 | 01203 | 2562                                   | 1000pF, 50V, Ceramic                     | 3198 | 019   | 11020 |
| 2004         | 0.047uF., 25V, Ceramic                   | 3198 | 023 | 04730 | 2563                                   | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014   | 01040 |
| 2005         | 10uF., 20%, 50V, Electrolytic.           | 3198 | 025 | 51090 | 2564                                   | 2200uF., 20%, 16V, Electrolytic.         | 2020 | 012   | 93057 |
| 2006         | 470uF., 20%, 16V, Electrolytic           | 3198 | 025 | 24710 | 2565                                   | 470pF., 1kV, 10%, Ceramic.               | 3198 | 019   | 64710 |
| 2007         | 0.1uF, 25V, Ceramic.                     | 3198 | 023 | 21040 | 2567                                   | 47uF., 20%, 25V, Electrolytic.           | 3198 | 025   | 34790 |
| 2008         | 100uF., 20%, 25V, Electrolytic           | 3198 | 025 | 31010 | 2568                                   | 1uF., 20%, 50V, Electrolytic             | 3198 | 025   | 51080 |
| 2009         | 0.022uF., 50V, Ceramic                   | 3198 | 017 | 02230 | 2569                                   | 470pF, 50V, Ceramic.                     | 3198 | 017   | 04710 |
| 2181         | 22pF., 50V, Ceramic.                     | 3198 | 016 | 02290 | 2580                                   | 47uF., 20%, 25V, Electrolytic.           | 3198 | 025   | 34790 |
| 2182         | 330pF., 50V, Ceramic                     | 3198 | 016 | 03310 | 2601                                   | 0.22uF., 25V, Ceramic.                   | 3198 | 023   | 22240 |
| 2184         | 2.2uF., 10V, Ceramic                     | 3198 | 017 | 22250 | 2602                                   | 100pF., 50V, Ceramic                     | 3198 | 016   | 01010 |
| 2202         | 0.1uF, 25V, Ceramic.                     | 3198 | 023 | 21040 | 2606                                   | 1000pF., 50V, Ceramic.                   | 3198 | 016   | 01020 |
| 2203         | 0.1uF, 25V, Ceramic.                     | 3198 | 023 | 21040 | 2607                                   | 33pF., 50V, Ceramic.                     | 3198 | 016   | 03390 |
| 2204         | 0.1uF, 25V, Ceramic.                     | 3198 | 023 | 21040 | 2608                                   | 0.1uF, 25V, Ceramic.                     | 3198 | 023   | 21040 |
| 2205         | 0.22uF., 25V, Ceramic.                   | 3198 | 023 | 22240 | 2609                                   | 33pF., 50V, Ceramic.                     | 3198 | 016   | 03390 |
| 2208         | 0.1uF, 25V, Ceramic.                     | 3198 | 023 | 21040 | 2611                                   | 0.1uF, 25V, Ceramic.                     | 3198 | 023   | 21040 |
| 2209         | 4.7uF., 20%, 50V, Electrolytic           | 3198 | 025 | 54780 | 2612                                   | 22pF., 50V, Ceramic.                     | 3198 | 016   | 02290 |
| 2210         | 0.47uF., 20%, 50V, Electrolytic.         | 3198 | 025 | 54770 | 2613                                   | 22pF., 50V, Ceramic.                     | 3198 | 016   | 02290 |
| 2211         | 0.47uF, 16V, Ceramic                     | 3198 | 017 | 24740 | 2615                                   | 1000pF., 50V, Ceramic.                   | 3198 | 016   | 01020 |
| 2216         | 100uF., 20%, 25V, Electrolytic           | 3198 | 025 | 31010 | 2618                                   | 0.01uF., 50V, Ceramic.                   | 3198 | 017   | 01030 |
| 2217         | 0.022uF., 50V, Ceramic                   | 3198 | 017 | 02230 | 2619                                   | 1uF., 16V, Ceramic.                      | 3198 | 017   | 21050 |
| 2219         | 0.22uF., 25V, Ceramic.                   | 3198 | 023 | 22240 | 2691                                   | 100uF., 20%, 25V, Electrolytic           | 3198 | 025   | 31010 |
| 2226         | 4700pF., 50V, Ceramic.                   | 3198 | 017 | 04720 | 2902                                   | 220uF., 20%, 50V, Electrolytic           | 3198 | 026   | 52210 |
| 2227         | 4700pF., 50V, Ceramic.                   | 3198 | 017 | 04720 | 2903                                   | 1uF., 20%, 50V, Electrolytic             | 3198 | 025   | 51080 |
| 2228         | 820pF., 50V, Ceramic                     | 3198 | 016 | 08210 | 2904                                   | 1uF., 16V, Ceramic.                      | 3198 | 017   | 21050 |
| 2229         | 10uF., 20%, 50V, Electrolytic.           | 3198 | 025 | 51090 | 2905                                   | 1000pF., 50V, Ceramic.                   | 3198 | 016   | 01020 |
| 2230         | 820pF., 50V, Ceramic                     | 3198 | 016 | 08210 | 2908                                   | 10uF., 20%, 50V, Electrolytic.           | 3198 | 025   | 51090 |
| 2241         | 4700pF., 50V, Ceramic.                   | 3198 | 017 | 04720 | 2941                                   | 1uF., 20%, 50V, Electrolytic             | 3198 | 025   | 51080 |
| 2242         | 1uF., 16V, Ceramic.                      | 3198 | 017 | 21050 | 2942                                   | 0.033uF., 50V, Ceramic                   | 3198 | 017   | 03330 |
| 2243         | 2200pF., 50V, Ceramic.                   | 3198 | 017 | 02220 | 2943                                   | 0.1uF., 16V, Ceramic                     | 3198 | 017   | 01040 |
| 2244         | 0.1uF., 10%, 63V, Metalized Polyester.   | 2222 | 370 | 75104 | 2944                                   | 0.047uF, 50V, Ceramic.                   | 3198 | 017   | 24730 |
| 2245         | 0.22uF., 25V, Ceramic.                   | 3198 | 023 | 22240 | 2945                                   | 0.01uF., 50V, Ceramic.                   | 3198 | 017   | 01030 |
| 2246         | 4.7uF., 20%, 50V, Electrolytic           | 3198 | 025 | 54780 | 2946                                   | 1uF., 16V, Ceramic.                      | 3198 | 017   | 21050 |
| 2247         | 100uF., 20%, 25V, Electrolytic           | 3198 | 025 | 31010 | 2981                                   | 100uF., 20%, 25V, Electrolytic           | 3198 | 025   | 31010 |
| 2248         | 0.022uF., 50V, Ceramic                   | 3198 | 017 | 02230 | 2982                                   | 470pF, 50V, Ceramic                      | 3198 | 016   | 04710 |
| 2249         | 0.022uF., 50V, Ceramic                   | 3198 | 017 | 02230 | 2983                                   | 100uF., 20%, 25V, Electrolytic           | 3198 | 025   | 31010 |
| 2250         | 2.2uF., 20%, 50V, Electrolytic           | 3198 | 025 | 52280 | 2984                                   | 470pF., 50V, Ceramic                     | 3198 | 016   | 04710 |
| 2252         | 1000pF., 50V, Ceramic.                   | 3198 | 016 | 01020 | 3000                                   | 100 ohm, 5%, 1/6W Carbon                 | 3198 | 011   | 01010 |
| 2253         | 1000pF., 50V, Ceramic.                   | 3198 | 016 | 01020 | 3001                                   | 100 ohm, 5%, 1/6W Carbon                 | 3198 | 011   | 01010 |
| 2254         | 100pF., 50V, Ceramic                     | 3198 | 016 | 01010 | 3002                                   | Zero ohm "Chip" Jumper                   | 3198 | 021   | 90020 |
| 2313         | 270pF., 50V, Ceramic                     | 3198 | 016 | 02710 | 3003                                   | 1.5k, 5%                                 | 3198 | 021   | 51520 |
| 2323         | 390pF., 50V, Ceramic                     | 3198 | 016 | 03910 | 3004                                   | 8.2k, 5%                                 | 3198 | 021   | 58220 |
| 2331         | 390pF., 50V, Ceramic                     | 3198 | 016 | 03910 | 3005                                   | 100 ohm, 5%, 1/6W Carbon                 | 3198 | 011   | 01010 |
| 2341         | 2200pF., 1kV, 10%, Ceramic               | 2020 | 558 | 90571 | 3181                                   | 75 ohm, 5%, 1/6W Carbon.                 | 3198 | 011   | 07590 |
| 2342         | 0.047uF, 10%, 250V Metalized Polyester   | 2222 | 365 | 45473 | 3182                                   | 100 ohm, 5%, 1/6W Carbon                 | 3198 | 011   | 01010 |
| 2343         | 0.047uF, 10%, 250V Metalized Polyester   | 2222 | 365 | 45473 | 3183                                   | 150 ohm, 5%, 1/6W Carbon                 | 3198 | 011   | 01510 |
| 2401         | 680pF, 50V, Ceramic.                     | 3198 | 019 | 16810 | 3184                                   | 47k, 5%.                                 | 3198 | 021   | 54730 |
| 2402         | 0.56uF., 5%, 250V, Metalized Polypropyl  |      |     |       | 3200                                   | 390 ohm, 5%, 1/6W Carbon                 | 3198 | 011   | 03910 |
|              | ene.                                     | 2022 | 333 | 00088 | 3201                                   | 100 ohm, 5%, 1/6W Carbon                 | 3198 | 011   | 01010 |
| 2406         | 330pF., 50V, Ceramic                     | 3198 | 016 | 03310 | 3202                                   | 100 ohm, 5%, 1/6W Carbon                 | 3198 | 011   | 01010 |
| 2407         | 0.0082uF., 5%, 1.6kV, Metalized Polypro  |      |     |       | 3203                                   | 100 ohm, 5%, 1/6W Carbon                 | 3198 | 011   | 01010 |
|              | pylene                                   | 2020 | 301 | 90247 | 3204                                   | 10k, 5%, 1/6W Carbon                     | 3198 | 011   | 01030 |
| 2408         | 0.022uF., 50V, Ceramic                   | 3198 | 019 | 22230 | 3206                                   | 100k, 5%                                 | 3198 | 021   | 51040 |
| 2409         | 47uF., 20%, 160V, Electrolytic           | 2020 | 021 | 91139 | 3207                                   | 1k, 5%, 1/6W Carbon.                     | 3198 | 011   | 01020 |
| 2410         | 470uF., 20%, 16V, Electrolytic           | 2020 | 021 | 91577 | 3208                                   | 220 ohm, 5%.                             | 3198 | 021   | 52210 |
| 2411         | 47uF., 20%, 25V, Electrolytic.           | 2020 | 021 | 90586 | 3209                                   | 68 ohm, 5%                               | 3198 | 021   | 56890 |
| 2412         | 0.033uF., 10%, 100V, Metalized Polyester | 2222 | 347 | 90236 | 3212                                   | 470 ohm, 5%.                             | 3198 | 021   | 54710 |
| 2413         | 10uF., 20%, 250V, Electrolytic           | 2020 | 012 | 93495 | 3213                                   | 560 ohm, 5%, 1/6W Carbon                 | 3198 | 011   | 05610 |
| 2414         | 1000uF., 20%, 16V, Electrolytic.         | 2020 | 021 | 91049 | 3217                                   | 330k, 5%.                                | 3198 | 021   | 53340 |
| 2416         | 470pF., 2kV, 10%, Ceramic.               | 2020 | 558 | 90483 | 3218                                   | 82k, 5%.                                 | 3198 | 021   | 58230 |
| 2417         | 1000uF., 20%, 16V, Electrolytic.         | 2020 | 021 | 91049 | 3219                                   | 2.2k, 5%                                 | 3198 | 021   | 52220 |
| 2418         | 0.01uF., 50V, Ceramic.                   | 3198 | 017 | 01030 | 3226                                   | 560 ohm, 5%.                             | 3198 | 021   | 55610 |
| 2419         | 1uF., 20%, 50V, Electrolytic             | 2020 | 021 | 91147 | 3232                                   | 2.2k, 5%                                 | 3198 | 021   | 52220 |
| 2420         | 1uF., 20%, 50V, Electrolytic             | 3198 | 025 | 51080 | 3235                                   | 100 ohm, 5%, 1/6W Carbon                 | 3198 | 011   | 01010 |
| 2421         | 0.047uF, 50V, Ceramic.                   | 3198 | 017 | 24730 | 3241                                   | 22k, 5%.                                 | 3198 | 021   | 52230 |
| 2422         | 470uF., 20%, 16V, Electrolytic           | 2020 | 021 | 91577 | 3242                                   | 27k, 5%.                                 | 3198 | 021   | 52730 |

S = Safety Part      Be sure to use exact replacement part.

# CH0119C125 (continued)

|      |   |                |      |  |                |
|------|---|----------------|------|--|----------------|
| 3244 | 820 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 08210 | 3531 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3245 | 39k, 5%. . . . .  | 3198 021 53930 | 3541 | 470 ohm, 5%. . . . .                       | 3198 021 54710 |
| 3246 | 10k, 5%. . . . .  | 3198 021 51030 | 3542 | 1.5k, 5%. . . . .                          | 3198 021 51520 |
| 3247 | 220k, 5%. . . . .   | 3198 021 52240 | 3543 | 82k, 1%, Metal Film. . . . .               | 2322 156 28203 |
| 3248 | 27k, 5%. . . . .  | 3198 021 52730 | 3544 | 6.8k, 1%, Metal Film . . . . .             | 2322 156 26802 |
| 3249 | 820 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 08210 | 3545 | 82k, 5%. . . . .                           | 3198 021 58230 |
| 3251 | 100 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 01010 | 3546 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3254 | 1M, 5%. . . . .   | 3198 021 51050 | 3547 | 0.33 ohm, 5%, 1W, Power Resistor . . . . . | 3198 012 13370 |
| 3256 | 1k, 5%. . . . .   | 3198 021 51020 | 3548 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3257 | 10Meg, 5%. . . . .  | 3198 021 51060 | 3549 | 470 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 04710 |
| 3258 | 330k, 5%. . . . .   | 3198 021 53340 | 3552 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3259 | 470k, 5%. . . . .   | 3198 021 54740 | 3559 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3311 | 3.9k, 5%. . . . .   | 3198 021 53920 | 3561 | 220 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 02210 |
| 3312 | 330 ohm, 5%. . . . .  | 3198 021 53310 | 3562 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3313 | 10 ohm, 5%. . . . .   | 3198 021 51090 | 3563 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3314 | 18k, 5%, Metal Film. . . . .                                  | 2322 195 63183 | 3564 | 4.7 ohm, 5%, 2W, Power Resistor. . . . .   | 3198 012 24780 |
| 3316 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                  | 2306 204 03689 | 3565 | 330 ohm, 5%, 1W, Power Resistor. . . . .   | 3198 012 13310 |
| 3317 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3566 | 2.2k, 5%. . . . .                          | 3198 021 52220 |
| 3321 | 3.9k, 5%. . . . .   | 3198 021 53920 | 3569 | 5.6k, 5%. . . . .                          | 3198 021 55620 |
| 3322 | 330 ohm, 5%. . . . .  | 3198 021 53310 | 3580 | 47k, 5%. . . . .                           | 3198 021 54730 |
| 3323 | 10 ohm, 5%. . . . .   | 3198 021 51090 | 3603 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3324 | 18k, 5%, Metal Film. . . . .                                  | 2322 195 63183 | 3604 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3326 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                  | 2306 204 03689 | 3605 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3327 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3606 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3331 | 3.9k, 5%. . . . .   | 3198 021 53920 | 3607 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3332 | 330 ohm, 5%. . . . .  | 3198 021 53310 | 3608 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3333 | 10 ohm, 5%. . . . .   | 3198 021 51090 | 3611 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3334 | 18k, 5%, Metal Film. . . . .                                  | 2322 195 63183 | 3614 | 4.7k, 5%, 1/6W Carbon. . . . .             | 3198 011 04720 |
| 3336 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                  | 2306 204 03689 | 3615 | 10k, 5%, 1/6W Carbon . . . . .             | 3198 011 01030 |
| 3337 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3617 | 4.7k, 5%, 1/6W Carbon. . . . .             | 3198 011 04720 |
| 3341 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3618 | 6.8k, 5%, 1/6W Carbon. . . . .             | 3198 011 06820 |
| 3347 | 220 ohm, 5% Fusible Resistor NFR25 . . . . .                  | 2306 204 03221 | 3619 | 8.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 08220 |
| 3348 | 1.5k, 20%, 1/2W Carbon . . . . .                              | 3198 013 01520 | 3622 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3349 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                  | 2306 204 03158 | 3623 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3350 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                  | 2306 204 03158 | 3624 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3401 | 330k, 5%. . . . .   | 2322 242 13334 | 3625 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3402 | 18k, 5%, 1/6W Carbon . . . . .                                | 3198 011 01830 | 3626 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3403 | 22 ohm, 5%, 3W, Power Resistor . . . . .                      | 3198 012 32290 | 3627 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3404 | 6.8 ohm, 5%, Fusible Resistor NFR25. . . . .                  | 2306 204 03688 | 3628 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3406 | 10k, 5%, 1/6W Carbon . . . . .                                | 3198 011 01030 | 3630 | 2.2k, 5%. . . . .                          | 3198 021 52220 |
| 3407 | 220 ohm, 5%, 3W, Power Resistor. . . . .                      | 3198 012 32210 | 3632 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3408 | 1k, 5%, 1/6W Carbon. . . . .                                  | 3198 011 01020 | 3636 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3410 | 33k, 5%. . . . .  | 3198 021 53330 | 3681 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3411 | 10 ohm, 5% Fusible Resistor NFR25. . . . .                    | 2306 204 03109 | 3682 | 3.3k, 5%. . . . .                          | 3198 021 53320 |
| 3412 | 3.3k, 1%, Metal Film . . . . .                                | 2322 156 23302 | 3683 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3413 | 10k, 5%. . . . .  | 3198 021 51030 | 3684 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3414 | 1.5k, 1%, Metal Film . . . . .                                | 2322 156 21502 | 3685 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3415 | 1k, 5%, 1/6W Carbon. . . . .                                  | 3198 011 01020 | 3686 | 1.5k, 5%. . . . .                          | 3198 021 51520 |
| 3416 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                  | 2306 204 03689 | 3691 | 330 ohm, 5%. . . . .                       | 3198 021 53310 |
| 3417 | 33k, 5%, 1/6W Carbon . . . . .                                | 3198 011 03330 | 3693 | 220 ohm, 5%. . . . .                       | 3198 021 52210 |
| 3418 | 33k, 5%. . . . .  | 3198 021 53330 | 3694 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3419 | 6.8k, 5%. . . . .   | 3198 021 56820 | 3901 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3420 | 33k, 5%. . . . .  | 3198 021 53330 | 3902 | 3.3k, 5%. . . . .                          | 3198 021 53320 |
| 3421 | 6.8 ohm, 5%, 2W, Power Resistor. . . . .                      | 3198 012 26880 | 3903 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3422 | 100 ohm, 5%. . . . .  | 3198 021 51010 | 3904 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3423 | 820 ohm, 5%. . . . .  | 3198 021 58210 | 3907 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3424 | 100 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 01010 | 3941 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3425 | 15k, 5%, 1/6W Carbon . . . . .                                | 3198 011 01530 | 3942 | 3.9k, 5%. . . . .                          | 3198 021 53920 |
| 3426 | 1M, 5%. . . . .   | 3198 021 51050 | 3943 | 2.7k, 5%. . . . .                          | 3198 021 52720 |
| 3427 | 12k, 5%, 1/6W Carbon . . . . .                                | 3198 011 01230 | 3944 | 2.7k, 5%. . . . .                          | 3198 021 52720 |
| 3428 | 39 ohm, 5% Fusible Resistor NFR25H . . . . .                  | 2306 207 03399 | 3945 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3431 | 3.3k, 5%. . . . .   | 3198 021 53320 | 3946 | 18k, 5%. . . . .                           | 3198 021 51830 |
| 3432 | 22 ohm, 5%, 1/6W Carbon. . . . .                              | 3198 011 02290 | 3947 | 330 ohm, 5%. . . . .                       | 3198 021 53310 |
| 3471 | 6.8 ohm, 1%, Metal Film. . . . .                              | 2322 156 26808 | 3948 | 47k, 5%. . . . .                           | 3198 021 54730 |
| 3472 | 3.9 ohm, 1%, Metal Film. . . . .                              | 2322 156 23908 | 3949 | 15k, 5%. . . . .                           | 3198 021 51530 |
| 3473 | 2.2k, 1%, Metal Film . . . . .                                | 2322 156 22202 | 3950 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3474 | 1k, 5%, 1/6W Carbon. . . . .                                  | 3198 011 01020 | 3951 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3475 | 2.2k, 1%, Metal Film . . . . .                                | 2322 156 22202 | 3981 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3476 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                  | 2306 204 03158 | 3982 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3477 | 220 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 02210 | 4001 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3478 | 220 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 02210 | 4002 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3479 | 1k, 5%, 1/6W Carbon. . . . .                                  | 3198 011 01020 | 4181 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3500 | 3.3Meg, 5%. . . . .   | 2322 242 13335 | 4212 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3501 | 3.3Meg, 5%. . . . .   | 2322 242 13335 | 4216 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3502 | 4.7 ohm, 20%, 3.1W, Negative Temperature Coefficient. . . . . | 2122 612 00055 | 4217 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3503 | 10 ohm, 30%, 120V, Positive Temperature Coefficient. . . . .  | 2120 661 00026 | 4410 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3506 | Jumper Wire. . . . .  | 0322 179 00003 | 4501 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3507 | Surge Protector DSP-301N-A21F. . . . .                        | 2422 549 43073 | 4613 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3519 | 270 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 02710 | 4614 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3520 | 1.2k, 5%. . . . .   | 3198 021 51220 | 4615 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3521 | 4.7 ohm, 5%, 1/6W Carbon . . . . .                            | 3198 011 04780 | 4616 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3522 | 330k, 5%. . . . .   | 3198 021 53340 | 4617 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3523 | 100 ohm, 5%, Fusible Resistor NFR25 . . . . .                 | 2306 204 03101 | 4618 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3524 | 56k, 5%. . . . .  | 3198 021 55630 | 4619 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3525 | 1k, 5%. . . . .   | 3198 021 51020 | 4622 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3526 | 0.15 ohm, 5%, 1W, Power Resistor . . . . .                    | 3198 012 11570 | 4623 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3527 | 2.2k ohm, 5%, Fusible Resistor NFR25 . . . . .                | 2306 204 03222 | 4691 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3528 | 10k, 5%. . . . .  | 3198 021 51030 | 4692 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3529 | 47k, 5%. . . . .  | 3198 021 54730 | 4693 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3530 | 4.7k, 5%. . . . .   | 3198 021 54720 | 4807 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |   |                | 4811 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |   |                | 4812 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |

## CH0119C125 (continued)

|      |  |                |      |                                    |                |
|------|--|----------------|------|------------------------------------|----------------|
| 4813 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7405 | Transistor BC857B . . . . .        | 3198 010 42150 |
| 4814 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7406 | Transistor BC857B . . . . .        | 3198 010 42150 |
| 4901 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7407 | Power Transistor BD135-16. . . . . | 3198 020 41190 |
| 4911 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7408 | Power Transistor BD135-17. . . . . | 3198 020 41190 |
| 4982 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7409 | Transistor BC857B . . . . .        | 3198 010 42150 |
| 5001 | Fixed Inductor, 5.6uH, 10% . . . . .             | 3198 018 25680 | 7471 | IC, TDA9302H . . . . .             | 9322 088 25682 |
| 5002 | Fixed Inductor, 0.82uH, 10% . . . . .            | 3198 018 18270 | 7515 | Opto-Coupler, TCET1103(G). . . . . | 9322 140 14667 |
| 5201 | Fixed Inductor, 6.8uH, 5% . . . . .              | 3198 018 16880 | 7520 | IC, TEA1507P/N1. . . . .           | 9352 673 56112 |
| 5202 | Fixed Inductor, 10uH, 10% . . . . .              | 3198 018 21090 | 7521 | Power FET, STP5NC50FP. . . . .     | 9322 160 71687 |
| 5241 | Fixed Inductor, 10uH, 10% . . . . .              | 3198 018 21090 | 7522 | Transistor BC847B . . . . .        | 3198 010 42030 |
| 5242 | Fixed Inductor, 10uH, 5% . . . . .               | 3198 018 11090 | 7540 | Transistor BC547B. . . . .         | 3198 020 40030 |
| 5341 | Fixed Inductor, 12uH, 5% SPT0508 . . . . .       | 2422 535 95598 | 7541 | Transistor PDTO114ET. . . . .      | 9340 310 10215 |
| 5342 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 7542 | Transistor BC857B . . . . .        | 3198 010 42150 |
| 5403 | Fixed Inductor, 27uH, 10%, LHL08 . . . . .       | 2422 535 94888 | 7560 | IC, L78L33ACZ. . . . .             | 9322 134 92676 |
| 5408 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7561 | Transistor PDTO143ZT. . . . .      | 9340 547 00215 |
| 5410 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7602 | IC M24C16-WBN6 . . . . .           | 9322 147 25682 |
| 5444 | Signal Driver Transformer SC10009-03. . . . .    | 2422 531 02446 | 7902 | IC, AN7523N. . . . .               | 9322 158 66667 |
| 5445 | LOT Transformer MSLOT4 . . . . .                 | 3128 138 21541 | 7941 | Transistor BC847B . . . . .        | 3198 010 42030 |
| 5502 | AC Filter. . . . .                               | 2422 549 44284 | 7942 | Transistor BC847B . . . . .        | 3198 010 42030 |
| 5520 | Transformer SS28011-04. . . . .                  | 2422 531 02458 | 7943 | Transistor BC847B . . . . .        | 3198 010 42030 |
| 5521 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9181 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5560 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9503 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5561 | Fixed Inductor, 27uH, 10% . . . . .              | 3198 018 22790 | 9692 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5562 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9696 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5563 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9814 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5602 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9820 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5603 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9821 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5604 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9822 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5833 | Jumper Wire. . . . .                             | 0322 179 00003 | 9824 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6001 | Diode Regulator, BZX79-C33 (33Volt). . . . .     | 3198 010 23390 | 9825 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6201 | Diode, BAV21 . . . . .                           | 3198 010 10630 | 9825 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6202 | Diode, BAS316 . . . . .                          | 3198 010 10630 | 9826 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6206 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 | 9827 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6241 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 | 9828 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6311 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9829 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6321 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9830 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6331 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9832 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6341 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9833 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6342 | Diode, 1N4148. . . . .                           | 3198 010 10010 | 9982 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6343 | Diode Regulator, BZX384-C8V2 (8.2Volt) . . . . . | 3198 020 58280 | CBA  | Main Chassis . . . . .             | 3139 178 85481 |
| 6401 | Diode, BAV21 . . . . .                           | 3198 010 10070 |      |                                    |                |
| 6402 | Diode Rectifier, BYV27-200 . . . . .             | 9322 126 72673 |      |                                    |                |
| 6404 | Diode Rectifier, BYD33D. . . . .                 | 9337 410 30133 |      |                                    |                |
| 6405 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6406 | Diode, BAV70. . . . .                            | 9331 849 10215 |      |                                    |                |
| 6407 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6408 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6409 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6410 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6413 | Diode, 1N4148. . . . .                           | 3198 010 10010 |      |                                    |                |
| 6414 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 |      |                                    |                |
| 6415 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6419 | Diode Regulator, BZX79-C5V6 (5.6Volt). . . . .   | 3198 010 25680 |      |                                    |                |
| 6420 | Diode Regulator, BZX79-C9V1 (9.1Volt). . . . .   | 9331 177 80133 |      |                                    |                |
| 6423 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6471 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6500 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |                                    |                |
| 6501 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |                                    |                |
| 6502 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |                                    |                |
| 6503 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |                                    |                |
| 6520 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6523 | Diode, 1N4148. . . . .                           | 3198 010 10010 |      |                                    |                |
| 6540 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 |      |                                    |                |
| 6541 | Diode Regulator, BZX79-C10 (10Volt). . . . .     | 3198 010 21090 |      |                                    |                |
| 6560 | Diode Rectifier, BYW76-RAS15/10. . . . .         | 9322 127 32682 |      |                                    |                |
| 6562 | Diode Rectifier, EGP20DL-5100. . . . .           | 9322 164 42682 |      |                                    |                |
| 6563 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6565 | Diode, BAV70. . . . .                            | 9331 849 10215 |      |                                    |                |
| 6566 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6569 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6570 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 |      |                                    |                |
| 6681 | Diode, BAT85 . . . . .                           | 9336 247 60133 |      |                                    |                |
| 6691 | LED, VS LTL-10224WHCR. . . . .                   | 9322 050 99682 |      |                                    |                |
| 6692 | IR Receiver, TSOP1836UH3V. . . . .               | 9322 127 54667 |      |                                    |                |
| 6901 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 7200 | IC, 2US1 Software Cluster. . . . .               | 9352 699 88557 |      |                                    |                |
| 7201 | Transistor BC847B . . . . .                      | 3198 010 42030 |      |                                    |                |
| 7204 | Transistor BC857B . . . . .                      | 3198 010 42150 |      |                                    |                |
| 7241 | Transistor PDTA114ET. . . . .                    | 3198 010 44010 |      |                                    |                |
| 7311 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7312 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7313 | Transistor BF423 . . . . .                       | 3198 020 43020 |      |                                    |                |
| 7321 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7322 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7323 | Transistor BF423 . . . . .                       | 3198 020 43020 |      |                                    |                |
| 7331 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7332 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7333 | Transistor BF423 . . . . .                       | 3198 020 43020 |      |                                    |                |
| 7401 | Transistor PDTO143ZT. . . . .                    | 9340 547 00215 |      |                                    |                |
| 7402 | Power Transistor BUT11APX-1200 . . . . .         | 9340 563 21127 |      |                                    |                |
| 7403 | Transistor BC337-25. . . . .                     | 3198 020 43530 |      |                                    |                |
| 7404 | Transistor BC636 . . . . .                       | 9332 219 50126 |      |                                    |                |

S = Safety Part Be sure to use exact replacement part.

## Model 13PR10G/121 Cabinet Parts

| Model 13PR10G/121 Cabinet Parts |  |                |  |  |
|---------------------------------|--|----------------|--|--|
| S AC01                          | AC Power Cord. . . . .                   | 3135 010 04751 |  |  |
| AC03                            | Cabinet Back . . . . .                   | 3139 137 92791 |  |  |
| AC04                            | Cabinet Front. . . . .                   | 3139 137 82921 |  |  |
| AC05                            | Chassis Guide. . . . .                   | 3139 124 34091 |  |  |
| AC06                            | Control Buttons. . . . .                 | 3139 137 79211 |  |  |
| S AC08                          | CRT A34EJM34X113 . . . . .               | 9301 815 60361 |  |  |
| S AC09                          | Degaussing Coil. . . . .                 | 2422 549 44427 |  |  |
| AC10                            | Degaussing Coil Holder (2 used). . . . . | 3135 013 01641 |  |  |
| AC11                            | Light Guide. . . . .                     | 3139 124 35851 |  |  |
| AC13                            | Owner's Manual . . . . .                 | 3121 235 20031 |  |  |
| AC14                            | Power Button . . . . .                   | 3139 137 79201 |  |  |
| REMOTE                          | Remote Transmitter . . . . .             | 3139 228 87521 |  |  |
| AC16                            | Speaker, 8W, 16 ohm. . . . .             | 2422 264 00407 |  |  |
| S AC18                          | Deflection Yoke. . . . .                 | 3306 133 24671 |  |  |
| AC21                            | Batteries f Remote Transmitter . . . . . | 9299 000 65263 |  |  |
| AC24                            | Degaussing Coil Spring . . . . .         | 3139 121 26231 |  |  |
| AC32                            | Assembly Braid . . . . .                 | 3135 010 07331 |  |  |
| AC33                            | Cabinet Door . . . . .                   | 3139 137 82961 |  |  |

# HC0113C121 - Manual no. 7602

## Main Chassis

|              |  |                |      |  |      |     |       |
|--------------|--|----------------|------|--|------|-----|-------|
| Main Chassis |  |                | 2423 | 10uF., 20%, 100V, Electrolytic . . . .   | 2020 | 021 | 90813 |
| 0127         | 2 Pin Fuse Socket. . . . .               | 3122 358 71251 | 2471 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 0138         | IC-SPRING FOR ITEM 7471 (IC TDA9302H)..  | 3104 301 22081 | 2472 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 0139         | IC-SPRING 7402 . . . . .                 | 3139 121 24581 | 2473 | 100uF., 20%, 50V, Electrolytic . . . .   | 2020 | 021 | 90587 |
| 0211         | 2 Pin Connector (AC Input Plug). . . .   | 2422 025 16269 | 2475 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 0212         | 2 Pin Connector (Degaussing Plug (RED))  | 2422 025 16375 | 2476 | 0.22uF., 10%, 50V, Metalized Polyester   | 3198 | 014 | 02240 |
| 0217         | 3 Pin Connector. . . . .                 | 2412 020 00725 | 2477 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 0218         | 2 Pin Connector. . . . .                 | 2422 026 04637 | 2500 | 0.47uF., 20%, 275V, Metalized Polypropyl |      |     |       |
| 0220         | 3 Pin Connector. . . . .                 | 2422 025 04851 |      | ene. . . . .                             | 2022 | 330 | 00018 |
| 0221         | 6 Pin Connector. . . . .                 | 2422 025 15503 | 2501 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0222         | 2 Pin Connector. . . . .                 | 2422 025 10646 | 2502 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0232         | Headphone Jack . . . . .                 | 2422 026 04747 | 2503 | 220uF., 20%, 200V, Electrolytic . . . .  | 2020 | 024 | 90557 |
| 0243         | 6 Pin Connector. . . . .                 | 2422 025 04854 | 2504 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0244         | 3 Pin Connector. . . . .                 | 2422 025 04851 | 2505 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0245         | 6 Pin Connector. . . . .                 | 2422 025 04854 | 2506 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0246         | 3 Pin Connector. . . . .                 | 2412 020 00725 | 2508 | 470pF., 1kV, 10%, Ceramic. . . . .       | 3198 | 019 | 64710 |
| 0254         | 9 Pin CRT Socket (M-NECK). . . . .       | 2422 500 80068 | 2515 | 1500pF., 250V, 20%, Ceramic. . . . .     | 2020 | 554 | 90172 |
| 1000         | Tuner V+U PLL F ENV56D98G3 . . . . .     | 2422 542 90108 | 2520 | 0.1uF., 16V, Ceramic . . . . .           | 3198 | 017 | 01040 |
| 1002         | 45.75 MHz Saw Filter F072TPL-A . . . .   | 2422 549 44327 | 2521 | 22uF., 20%, 50V, Electrolytic. . . . .   | 3198 | 025 | 52290 |
| 1200         | 4.5MHz Ceramic Filter, TPS*MB. . . . .   | 2422 549 40807 | 2522 | 0.1uF., 16V, Ceramic . . . . .           | 3198 | 017 | 01040 |
| 1500         | 5 Amp, 250V, Fuse (5X20) . . . . .       | 2422 086 10905 | 2523 | 1500pF., 2kV, 10%, Ceramic . . . . .     | 2020 | 558 | 90489 |
| 1600         | Tact Switch. . . . .                     | 2422 128 02742 | 2525 | 470pF., 50V, Ceramic. . . . .            | 3198 | 017 | 04710 |
| 1601         | Tact Switch. . . . .                     | 2422 128 02742 | 2526 | 0.001uF., 50V, Ceramic . . . . .         | 3198 | 017 | 01020 |
| 1602         | Tact Switch. . . . .                     | 2422 128 02742 | 2527 | 470pF., 50V, Ceramic. . . . .            | 3198 | 017 | 04710 |
| 1603         | Tact Switch. . . . .                     | 2422 128 02742 | 2540 | 0.015uF., 50V, Ceramic . . . . .         | 3198 | 017 | 01530 |
| 1606         | Tact Switch. . . . .                     | 2422 128 02742 | 2560 | 1000pF., 1kV, 10%, Ceramic . . . . .     | 3198 | 019 | 61020 |
| 1660         | 12MHz, Crystal Resonator, HC49/U A . .   | 2422 543 01203 | 2561 | 47uF., 20%, 160V, Electrolytic . . . .   | 2020 | 021 | 91358 |
| 2004         | 0.047uF., 25V, Ceramic . . . . .         | 3198 023 04730 | 2562 | 1000pF., 50V, Ceramic . . . . .          | 3198 | 019 | 11020 |
| 2005         | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 025 51090 | 2563 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 2006         | 470uF., 20%, 16V, Electrolytic . . . .   | 3198 025 24710 | 2564 | 2200uF., 20%, 16V, Electrolytic. . . .   | 2020 | 012 | 93057 |
| 2007         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2565 | 470pF., 1kV, 10%, Ceramic. . . . .       | 3198 | 019 | 64710 |
| 2008         | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 025 31010 | 2567 | 47uF., 20%, 25V, Electrolytic. . . . .   | 3198 | 025 | 34790 |
| 2009         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2568 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 51080 |
| 2181         | 22pF., 50V, Ceramic. . . . .             | 3198 016 02290 | 2569 | 470pF., 50V, Ceramic. . . . .            | 3198 | 017 | 04710 |
| 2182         | 330pF., 50V, Ceramic . . . . .           | 3198 016 03310 | 2580 | 47uF., 20%, 25V, Electrolytic. . . .     | 3198 | 025 | 34790 |
| 2184         | 2.2uF., 10V, Ceramic . . . . .           | 3198 017 22250 | 2601 | 0.22uF., 25V, Ceramic. . . . .           | 3198 | 023 | 22240 |
| 2202         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2602 | 100pF., 50V, Ceramic . . . . .           | 3198 | 016 | 01010 |
| 2203         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2606 | 1000pF., 50V, Ceramic. . . . .           | 3198 | 016 | 01020 |
| 2204         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2607 | 33pF., 50V, Ceramic. . . . .             | 3198 | 016 | 03390 |
| 2205         | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 | 2608 | 0.1uF., 25V, Ceramic. . . . .            | 3198 | 023 | 21040 |
| 2208         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2609 | 33pF., 50V, Ceramic. . . . .             | 3198 | 016 | 03390 |
| 2209         | 4.7uF., 20%, 50V, Electrolytic . . . .   | 3198 025 54780 | 2611 | 0.1uF., 25V, Ceramic. . . . .            | 3198 | 023 | 21040 |
| 2210         | 0.47uF., 20%, 50V, Electrolytic. . . .   | 3198 025 54770 | 2612 | 22pF., 50V, Ceramic. . . . .             | 3198 | 016 | 02290 |
| 2211         | 0.47uF., 16V, Ceramic . . . . .          | 3198 017 24740 | 2613 | 22pF., 50V, Ceramic. . . . .             | 3198 | 016 | 02290 |
| 2216         | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 025 31010 | 2615 | 1000pF., 50V, Ceramic. . . . .           | 3198 | 016 | 01020 |
| 2217         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2618 | 0.01uF., 50V, Ceramic. . . . .           | 3198 | 017 | 01030 |
| 2219         | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 | 2619 | 1uF., 16V, Ceramic. . . . .              | 3198 | 017 | 21050 |
| 2226         | 4700pF., 50V, Ceramic. . . . .           | 3198 017 04720 | 2691 | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 | 025 | 31010 |
| 2227         | 4700pF., 50V, Ceramic. . . . .           | 3198 017 04720 | 2902 | 220uF., 20%, 50V, Electrolytic . . . .   | 3198 | 026 | 52210 |
| 2228         | 820pF., 50V, Ceramic . . . . .           | 3198 016 08210 | 2903 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 51080 |
| 2229         | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 025 51090 | 2904 | 1uF., 16V, Ceramic. . . . .              | 3198 | 017 | 21050 |
| 2233         | 820pF., 50V, Ceramic . . . . .           | 3198 016 08210 | 2905 | 1000pF., 50V, Ceramic. . . . .           | 3198 | 016 | 01020 |
| 2241         | 4700pF., 50V, Ceramic. . . . .           | 3198 017 04720 | 2908 | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 | 025 | 51090 |
| 2242         | 1uF., 16V, Ceramic. . . . .              | 3198 017 21050 | 2941 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 51080 |
| 2243         | 2200pF., 50V, Ceramic. . . . .           | 3198 017 02220 | 2942 | 0.033uF., 50V, Ceramic . . . . .         | 3198 | 017 | 03330 |
| 2244         | 0.1uF., 10%, 63V, Metalized Polyester.   | 2222 370 75104 | 2943 | 0.1uF., 16V, Ceramic . . . . .           | 3198 | 017 | 01040 |
| 2245         | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 | 2944 | 0.047uF., 50V, Ceramic. . . . .          | 3198 | 017 | 24730 |
| 2246         | 4.7uF., 20%, 50V, Electrolytic . . . .   | 3198 025 54780 | 2945 | 0.01uF., 50V, Ceramic. . . . .           | 3198 | 017 | 01030 |
| 2247         | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 025 31010 | 2946 | 1uF., 16V, Ceramic. . . . .              | 3198 | 017 | 21050 |
| 2248         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2981 | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 | 025 | 31010 |
| 2249         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2982 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 2250         | 2.2uF., 20%, 50V, Electrolytic . . . .   | 3198 025 52280 | 2983 | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 | 025 | 31010 |
| 2252         | 1000pF., 50V, Ceramic . . . . .          | 3198 016 01020 | 2984 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 2253         | 1000pF., 50V, Ceramic. . . . .           | 3198 016 01020 | 3000 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2254         | 100pF., 50V, Ceramic . . . . .           | 3198 016 01010 | 3001 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2313         | 270pF., 50V, Ceramic . . . . .           | 3198 016 02710 | 3002 | Zero ohm "Chip" Jumper . . . . .         | 3198 | 021 | 90020 |
| 2323         | 390pF., 50V, Ceramic . . . . .           | 3198 016 03910 | 3003 | 1.5k, 5% . . . . .                       | 3198 | 021 | 51520 |
| 2331         | 390pF., 50V, Ceramic . . . . .           | 3198 016 03910 | 3004 | 8.2k, 5% . . . . .                       | 3198 | 021 | 58220 |
| 2341         | 2200pF., 1kV, 10%, Ceramic . . . . .     | 2020 558 90571 | 3005 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2342         | 0.047uF., 10%, 250V Metalized Polyester  | 2222 365 45473 | 3181 | 75 ohm, 5%, 1/6W Carbon. . . . .         | 3198 | 011 | 07590 |
| 2343         | 0.047uF., 10%, 250V Metalized Polyester  | 2222 365 45473 | 3182 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2401         | 680pF., 50V, Ceramic. . . . .            | 3198 019 16810 | 3183 | 150 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01510 |
| 2402         | 0.56uF., 5%, 250V, Metalized Polypropyl  |                | 3184 | 47k, 5%. . . . .                         | 3198 | 021 | 54730 |
|              | ene. . . . .                             | 2022 333 00088 | 3200 | 390 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 03910 |
| 2406         | 330pF., 50V, Ceramic . . . . .           | 3198 016 03310 | 3201 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2407         | 0.0082uF., 5%, 1.6kV, Metalized Polypro  |                | 3202 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
|              | pylene . . . . .                         | 2020 301 90247 | 3203 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2408         | 0.022uF., 50V, Ceramic . . . . .         | 3198 019 22230 | 3204 | 10k, 5%, 1/6W Carbon . . . . .           | 3198 | 011 | 01030 |
| 2409         | 47uF., 20%, 160V, Electrolytic . . . .   | 2020 021 91139 | 3206 | 100k, 5% . . . . .                       | 3198 | 021 | 51040 |
| 2410         | 470uF., 20%, 16V, Electrolytic . . . .   | 2020 021 91577 | 3207 | 1k, 5%, 1/6W Carbon. . . . .             | 3198 | 011 | 01020 |
| 2411         | 47uF., 20%, 25V, Electrolytic. . . . .   | 2020 021 90586 | 3208 | 220 ohm, 5%. . . . .                     | 3198 | 021 | 52210 |
| 2412         | 0.033uF., 10%, 100V, Metalized Polyester | 2222 347 90236 | 3209 | 68 ohm, 5% . . . . .                     | 3198 | 021 | 56890 |
| 2413         | 10uF., 20%, 250V, Electrolytic . . . .   | 2020 012 93495 | 3212 | 470 ohm, 5%. . . . .                     | 3198 | 021 | 54710 |
| 2414         | 1000uF., 20%, 16V, Electrolytic. . . .   | 2020 021 91049 | 3213 | 560 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 05610 |
| 2416         | 470pF., 2kV, 10%, Ceramic. . . . .       | 2020 558 90483 | 3217 | 330k, 5% . . . . .                       | 3198 | 021 | 53340 |
| 2417         | 1000uF., 20%, 16V, Electrolytic. . . .   | 2020 021 91049 | 3218 | 82k, 5%. . . . .                         | 3198 | 021 | 58230 |
| 2418         | 0.01uF., 50V, Ceramic. . . . .           | 3198 017 01030 | 3219 | 2.2k, 5%. . . . .                        | 3198 | 021 | 52220 |
| 2419         | 1uF., 20%, 50V, Electrolytic . . . . .   | 2020 021 91147 | 3226 | 560 ohm, 5%. . . . .                     | 3198 | 021 | 55610 |
| 2420         | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 025 51080 | 3232 | 2.2k, 5% . . . . .                       | 3198 | 021 | 52220 |
| 2421         | 0.047uF., 50V, Ceramic. . . . .          | 3198 017 24730 | 3235 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2422         | 470uF., 20%, 16V, Electrolytic . . . .   | 2020 021 91577 | 3241 | 22k, 5%. . . . .                         | 3198 | 021 | 52230 |
|              |  |                | 3242 | 27k, 5%. . . . .                         | 3198 | 021 | 52730 |

# HC0113C121 (continued)

|      |  |                |      |  |                |
|------|--|----------------|------|--|----------------|
| 3244 | 820 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 08210 | 3531 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3245 | 39k, 5%. . . . .   | 3198 021 53930 | 3541 | 470 ohm, 5%. . . . .                       | 3198 021 54710 |
| 3246 | 10k, 5%. . . . .   | 3198 021 51030 | 3542 | 1.5k, 5%. . . . .                          | 3198 021 51520 |
| 3247 | 220k, 5%. . . . .  | 3198 021 52240 | 3543 | 82k, 1%, Metal Film. . . . .               | 2322 156 28203 |
| 3248 | 27k, 5%. . . . .   | 3198 021 52730 | 3544 | 6.8k, 1%, Metal Film . . . . .             | 2322 156 26802 |
| 3249 | 820 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 08210 | 3545 | 82k, 5%. . . . .                           | 3198 021 58230 |
| 3251 | 100 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01010 | 3546 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3254 | 1M, 5%. . . . .  | 3198 021 51050 | 3547 | 0.33 ohm, 5%, 1W, Power Resistor . . . . . | 3198 012 13370 |
| 3256 | 1k, 5%. . . . .  | 3198 021 51020 | 3548 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3257 | 10Meg, 5%. . . . .   | 3198 021 51060 | 3549 | 470 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 04710 |
| 3258 | 330k, 5%. . . . .  | 3198 021 53340 | 3552 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3259 | 470k, 5%. . . . .  | 3198 021 54740 | 3559 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3311 | 3.9k, 5%. . . . .  | 3198 021 53920 | 3561 | 220 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 02210 |
| 3312 | 330 ohm, 5%. . . . .   | 3198 021 53310 | 3562 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3313 | 10 ohm, 5%. . . . .  | 3198 021 51090 | 3563 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3314 | 18k, 5%, Metal Film. . . . .                                     | 2322 195 63183 | 3564 | 4.7 ohm, 5%, 2W, Power Resistor. . . . .   | 3198 012 24780 |
| 3316 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3565 | 330 ohm, 5%, 1W, Power Resistor. . . . .   | 3198 012 13310 |
| 3317 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3566 | 2.2k, 5%. . . . .                          | 3198 021 52220 |
| 3321 | 3.9k, 5%. . . . .  | 3198 021 53920 | 3569 | 5.6k, 5%. . . . .                          | 3198 021 55620 |
| 3322 | 330 ohm, 5%. . . . .   | 3198 021 53310 | 3580 | 47k, 5%. . . . .                           | 3198 021 54730 |
| 3323 | 10 ohm, 5%. . . . .  | 3198 021 51090 | 3603 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3324 | 18k, 5%, Metal Film. . . . .                                     | 2322 195 63183 | 3604 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3326 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3605 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3327 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3606 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3331 | 3.9k, 5%. . . . .  | 3198 021 53920 | 3607 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3332 | 330 ohm, 5%. . . . .   | 3198 021 53310 | 3608 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3333 | 10 ohm, 5%. . . . .  | 3198 021 51090 | 3611 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3334 | 18k, 5%, Metal Film. . . . .                                     | 2322 195 63183 | 3614 | 4.7k, 5%, 1/6W Carbon. . . . .             | 3198 011 04720 |
| 3336 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3615 | 10k, 5%, 1/6W Carbon . . . . .             | 3198 011 01030 |
| 3337 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3617 | 4.7k, 5%, 1/6W Carbon. . . . .             | 3198 011 04720 |
| 3341 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3618 | 6.8k, 5%, 1/6W Carbon. . . . .             | 3198 011 06820 |
| 3347 | 220 ohm, 5% Fusible Resistor NFR25 . . . . .                     | 2306 204 03221 | 3619 | 8.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 08220 |
| 3348 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3622 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3349 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                     | 2306 204 03158 | 3623 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3350 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                     | 2306 204 03158 | 3624 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3401 | 330k, 5%. . . . .  | 2322 242 13334 | 3625 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3402 | 18k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01830 | 3626 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3403 | 22 ohm, 5%, 3W, Power Resistor . . . . .                         | 3198 012 32290 | 3627 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3404 | 6.8 ohm, 5%, Fusible Resistor NFR25. . . . .                     | 2306 204 03688 | 3628 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3406 | 10k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01030 | 3630 | 2.2k, 5%. . . . .                          | 3198 021 52220 |
| 3407 | 220 ohm, 5%, 3W, Power Resistor. . . . .                         | 3198 012 32210 | 3632 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3408 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 3636 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3410 | 33k, 5%. . . . .   | 3198 021 53330 | 3681 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3411 | 10 ohm, 5% Fusible Resistor NFR25. . . . .                       | 2306 204 03109 | 3682 | 3.3k, 5%. . . . .                          | 3198 021 53320 |
| 3412 | 3.3k, 1%, Metal Film . . . . .                                   | 2322 156 23302 | 3683 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3413 | 10k, 5%. . . . .   | 3198 021 51030 | 3684 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3414 | 1.5k, 1%, Metal Film . . . . .                                   | 2322 156 21502 | 3685 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3415 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 3686 | 1.5k, 5%. . . . .                          | 3198 021 51520 |
| 3416 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3691 | 330 ohm, 5%. . . . .                       | 3198 021 53310 |
| 3417 | 33k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 03330 | 3693 | 220 ohm, 5%. . . . .                       | 3198 021 52210 |
| 3418 | 33k, 5%. . . . .   | 3198 021 53330 | 3694 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3419 | 6.8k, 5%. . . . .  | 3198 021 56820 | 3901 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3420 | 33k, 5%. . . . .   | 3198 021 53330 | 3902 | 3.3k, 5%. . . . .                          | 3198 021 53320 |
| 3421 | 6.8 ohm, 5%, 2W, Power Resistor. . . . .                         | 3198 012 26880 | 3903 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3422 | 100 ohm, 5%. . . . .   | 3198 021 51010 | 3904 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3423 | 820 ohm, 5%. . . . .   | 3198 021 58210 | 3907 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3424 | 100 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01010 | 3941 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3425 | 15k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01530 | 3942 | 3.9k, 5%. . . . .                          | 3198 021 53920 |
| 3426 | 1M, 5%. . . . .  | 3198 021 51050 | 3943 | 2.7k, 5%. . . . .                          | 3198 021 52720 |
| 3427 | 12k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01230 | 3944 | 2.7k, 5%. . . . .                          | 3198 021 52720 |
| 3428 | 39 ohm, 5% Fusible Resistor NFR25H . . . . .                     | 2306 207 03399 | 3945 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3431 | 3.3k, 5%. . . . .  | 3198 021 53320 | 3946 | 18k, 5%. . . . .                           | 3198 021 51830 |
| 3432 | 22 ohm, 5%, 1/6W Carbon. . . . .                                 | 3198 011 02290 | 3947 | 330 ohm, 5%. . . . .                       | 3198 021 53310 |
| 3471 | 6.8 ohm, 1%, Metal Film. . . . .                                 | 2322 156 26808 | 3948 | 47k, 5%. . . . .                           | 3198 021 54730 |
| 3472 | 3.9 ohm, 1%, Metal Film. . . . .                                 | 2322 156 23908 | 3949 | 15k, 5%. . . . .                           | 3198 021 51530 |
| 3473 | 2.2k, 1%, Metal Film . . . . .                                   | 2322 156 22202 | 3950 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3474 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 3951 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3475 | 2.2k, 1%, Metal Film . . . . .                                   | 2322 156 22202 | 3981 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3476 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                     | 2306 204 03158 | 3982 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3477 | 220 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02210 | 4001 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3478 | 220 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02210 | 4002 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3479 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 4181 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3500 | 3.3Meg, 5%. . . . .  | 2322 242 13335 | 4212 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3501 | 3.3Meg, 5%. . . . .  | 2322 242 13335 | 4216 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3502 | 4.7 ohm, 20%, 3.1W, Negative Temperature<br>Coefficient. . . . . | 2122 612 00055 | 4217 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3503 | 10 ohm, 30%, 120V, Positive Temperature<br>Coefficient. . . . .  | 2120 661 00026 | 4410 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3506 | Jumper Wire. . . . .   | 0322 179 00003 | 4501 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3507 | Surge Protector DSP-301N-A21F. . . . .                           | 2422 549 43073 | 4613 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3519 | 270 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02710 | 4614 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3520 | 1.2k, 5%. . . . .  | 3198 021 51220 | 4615 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3521 | 4.7 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 04780 | 4616 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3522 | 330k, 5%. . . . .  | 3198 021 53340 | 4617 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3523 | 100 ohm, 5%, Fusible Resistor NFR25 . . . . .                    | 2306 204 03101 | 4618 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3524 | 56k, 5%. . . . .   | 3198 021 55630 | 4619 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3525 | 1k, 5%. . . . .  | 3198 021 51020 | 4622 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3526 | 0.15 ohm, 5%, 1W, Power Resistor . . . . .                       | 3198 012 11570 | 4623 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3527 | 2.2k ohm, 5%, Fusible Resistor NFR25 . . . . .                   | 2306 204 03222 | 4691 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3528 | 10k, 5%. . . . .   | 3198 021 51030 | 4692 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3529 | 47k, 5%. . . . .   | 3198 021 54730 | 4693 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3530 | 4.7k, 5%. . . . .  | 3198 021 54720 | 4807 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |  |                | 4811 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |  |                | 4812 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |

S = Safety Part Be sure to use exact replacement part.



## HC0113C121 (continued)

|      |  |                |  |  |                |
|------|--|----------------|--|--|----------------|
| 4813 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7405                                   | Transistor BC857B . . . . .              | 3198 010 42150 |
| 4814 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7406                                   | Transistor BC857B . . . . .              | 3198 010 42150 |
| 4901 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7407                                   | Power Transistor BD135-16. . . . .       | 3198 020 41190 |
| 4911 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7408                                   | Power Transistor BD135-17. . . . .       | 3198 020 41190 |
| 4982 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7409                                   | Transistor BC857B . . . . .              | 3198 010 42150 |
| 5001 | Fixed Inductor, 5.6uH, 10% . . . . .             | 3198 018 25680 | 7471                                   | IC, TDA9302H . . . . .                   | 9322 088 25682 |
| 5002 | Fixed Inductor, 0.82uH, 10% . . . . .            | 3198 018 18270 | 7515                                   | Opto-Coupler, TCET1103(G). . . . .       | 9322 140 14667 |
| 5201 | Fixed Inductor, 6.8uH, 5% . . . . .              | 3198 018 16880 | 7520                                   | IC, TEA1507P/N1. . . . .                 | 9352 673 56112 |
| 5202 | Fixed Inductor, 10uH, 10% . . . . .              | 3198 018 21090 | 7521                                   | Power FET, STP5NC50FP. . . . .           | 9322 160 71687 |
| 5241 | Fixed Inductor, 10uH, 10% . . . . .              | 3198 018 21090 | 7522                                   | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5242 | Fixed Inductor, 10uH, 5% . . . . .               | 3198 018 11090 | 7540                                   | Transistor BC547B. . . . .               | 3198 020 40030 |
| 5341 | Fixed Inductor, 12uH, 5% SPT0508 . . . . .       | 2422 535 95598 | 7541                                   | Transistor PDTO114ET. . . . .            | 9340 310 10215 |
| 5342 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 7542                                   | Transistor BC857B . . . . .              | 3198 010 42150 |
| 5403 | Fixed Inductor, 27uH, 10%, LHL08 . . . . .       | 2422 535 94888 | 7560                                   | IC, L78L33ACZ. . . . .                   | 9322 134 92676 |
| 5408 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7561                                   | Transistor PDTO143ZT. . . . .            | 9340 547 00215 |
| 5410 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7602                                   | IC M24C16-WBN6 . . . . .                 | 9322 147 25682 |
| 5444 | Signal Driver Transformer SC10009-03. . . . .    | 2422 531 02446 | 7902                                   | IC, AN7523N. . . . .                     | 9322 158 66667 |
| 5445 | LOT Transformer MSLOT4 . . . . .                 | 3128 138 21541 | 7941                                   | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5502 | AC Filter. . . . .                               | 2422 549 44284 | 7942                                   | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5520 | Transformer SS28011-04. . . . .                  | 2422 531 02458 | 7943                                   | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5521 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9181                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5560 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9503                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5561 | Fixed Inductor, 27uH, 10% . . . . .              | 3198 018 22790 | 9692                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5562 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9696                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5563 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9814                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5602 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9820                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5603 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9821                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5604 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9822                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5833 | Jumper Wire. . . . .                             | 0322 179 00003 | 9824                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6001 | Diode Regulator, BZX79-C33 (33Volt). . . . .     | 3198 010 23390 | 9825                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6201 | Diode, BAV21 . . . . .                           | 3198 010 10630 | 9825                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6202 | Diode, BAS316 . . . . .                          | 3198 010 10630 | 9826                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6206 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 | 9827                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6241 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 | 9828                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6311 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9829                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6321 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9830                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6331 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9832                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6341 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9833                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6342 | Diode, 1N4148. . . . .                           | 3198 010 10010 | 9982                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6343 | Diode Regulator, BZX384-C8V2 (8.2Volt) . . . . . | 3198 020 58280 | CBA                                    | Main Chassis . . . . .                   | 3139 178 85481 |
| 6401 | Diode, BAV21 . . . . .                           | 3198 010 10070 | <b>Model 13PR11M/121 Cabinet Parts</b> |  |                |
| 6402 | Diode Rectifier, BYV27-200 . . . . .             | 9322 126 72673 | Model 13PR11M/121 Cabinet Parts        |  |                |
| 6404 | Diode Rectifier, BYD33D. . . . .                 | 9337 410 30133 | S AC01                                 | AC Power Cord. . . . .                   | 3135 010 04751 |
| 6405 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | AC03                                   | Cabinet Back . . . . .                   | 3139 137 90281 |
| 6406 | Diode, BAV70. . . . .                            | 9331 849 10215 | AC04                                   | Cabinet Front. . . . .                   | 3139 137 78161 |
| 6407 | Diode, BAS316 . . . . .                          | 3198 010 10630 | AC05                                   | Chassis Guide. . . . .                   | 3139 124 34091 |
| 6408 | Diode, BAS316 . . . . .                          | 3198 010 10630 | AC06                                   | Control Buttons. . . . .                 | 3139 137 79211 |
| 6409 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | S AC08                                 | CRT A34EJM34X113 . . . . .               | 9301 815 60361 |
| 6410 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | S AC09                                 | Degaussing Coil. . . . .                 | 2422 549 44427 |
| 6413 | Diode, 1N4148. . . . .                           | 3198 010 10010 | AC10                                   | Degaussing Coil Holder (2 used). . . . . | 3135 013 01641 |
| 6414 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 | AC11                                   | Light Guide. . . . .                     | 3139 124 35851 |
| 6415 | Diode, BAS316 . . . . .                          | 3198 010 10630 | AC13                                   | Owner's Manual . . . . .                 | 3121 235 20031 |
| 6419 | Diode Regulator, BZX79-C5V6 (5.6Volt). . . . .   | 3198 010 25680 | AC14                                   | Power Button . . . . .                   | 3139 137 79201 |
| 6420 | Diode Regulator, BZX79-C9V1 (9.1Volt). . . . .   | 9331 177 80133 | REMOTE                                 | Remote Transmitter . . . . .             | 3139 228 87531 |
| 6423 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | AC16                                   | Speaker, 8W, 16 ohm. . . . .             | 2422 264 00407 |
| 6471 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | S AC18                                 | Deflection Yoke. . . . .                 | 3306 133 24671 |
| 6500 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 | AC21                                   | Batteries f Remote Transmitter . . . . . | 9299 000 65263 |
| 6501 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 | AC24                                   | Degaussing Coil Spring . . . . .         | 3139 121 26231 |
| 6502 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 | AC32                                   | Assembly Braid . . . . .                 | 3135 010 07331 |
| 6520 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | AC33                                   | Cabinet Door . . . . .                   | 3139 137 80281 |
| 6523 | Diode, 1N4148. . . . .                           | 3198 010 10010 |  |  |                |
| 6540 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 |  |  |                |
| 6541 | Diode Regulator, BZX79-C10 (10Volt). . . . .     | 3198 010 21090 |  |  |                |
| 6560 | Diode Rectifier, BYW76-RAS15/10. . . . .         | 9322 127 32682 |  |  |                |
| 6562 | Diode Rectifier, EGP20DL-5100. . . . .           | 9322 164 42682 |  |  |                |
| 6563 | Diode, BAS316 . . . . .                          | 3198 010 10630 |  |  |                |
| 6565 | Diode, BAV70. . . . .                            | 9331 849 10215 |  |  |                |
| 6566 | Diode, BAS316 . . . . .                          | 3198 010 10630 |  |  |                |
| 6569 | Diode, BAS316 . . . . .                          | 3198 010 10630 |  |  |                |
| 6570 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 |  |  |                |
| 6681 | Diode, BAT85 . . . . .                           | 9336 247 60133 |  |  |                |
| 6691 | LED, VS LTL-10224WHCR. . . . .                   | 9322 050 99682 |  |  |                |
| 6692 | IR Receiver, TSOP1836UH3V. . . . .               | 9322 127 54667 |  |  |                |
| 6901 | Diode, BAS316 . . . . .                          | 3198 010 10630 |  |  |                |
| 7200 | IC, 2US1 Software Cluster. . . . .               | 9352 699 88557 |  |  |                |
| 7201 | Transistor BC847B . . . . .                      | 3198 010 42030 |  |  |                |
| 7204 | Transistor BC857B . . . . .                      | 3198 010 42150 |  |  |                |
| 7241 | Transistor PDTA114ET. . . . .                    | 3198 010 44010 |  |  |                |
| 7311 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7312 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7313 | Transistor BF423 . . . . .                       | 3198 020 43020 |  |  |                |
| 7321 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7322 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7323 | Transistor BF423 . . . . .                       | 3198 020 43020 |  |  |                |
| 7331 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7332 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7333 | Transistor BF423 . . . . .                       | 3198 020 43020 |  |  |                |
| 7401 | Transistor PDTO143ZT. . . . .                    | 9340 547 00215 |  |  |                |
| 7402 | Power Transistor BUT11APX-1200 . . . . .         | 9340 563 21127 |  |  |                |
| 7403 | Transistor BC337-25. . . . .                     | 3198 020 43530 |  |  |                |
| 7404 | Transistor BC636 . . . . .                       | 9332 219 50126 |  |  |                |

S = Safety Part Be sure to use exact replacement part.

# HC0119C125 - Manual no. 7602

## Main Chassis

|              |  |                |      |  |      |     |       |
|--------------|--|----------------|------|--|------|-----|-------|
| Main Chassis |  |                | 2423 | 10uF., 20%, 100V, Electrolytic . . . .   | 2020 | 021 | 90813 |
| 0127         | 2 Pin Fuse Socket. . . . .               | 3122 358 71251 | 2471 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 0138         | IC-SPRING FOR ITEM 7471 (IC TDA9302H)..  | 3104 301 22081 | 2472 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 0139         | IC-SPRING 7402 . . . . .                 | 3139 121 24581 | 2473 | 100uF., 20%, 50V, Electrolytic . . . .   | 2020 | 021 | 90587 |
| 0211         | 2 Pin Connector (AC Input Plug). . . . . | 2422 025 16269 | 2475 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 0212         | 2 Pin Connector (Degaussing Plug (RED))  | 2422 025 16375 | 2476 | 0.22uF., 10%, 50V, Metalized Polyester   | 3198 | 014 | 02240 |
| 0217         | 3 Pin Connector. . . . .                 | 2412 020 00725 | 2477 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 0218         | 2 Pin Connector. . . . .                 | 2422 026 04637 | 2500 | 0.47uF., 20%, 275V, Metalized Polypropyl |      |     |       |
| 0220         | 3 Pin Connector. . . . .                 | 2422 025 04851 |      | ene. . . . .                             | 2022 | 330 | 00018 |
| 0221         | 6 Pin Connector. . . . .                 | 2422 025 15503 | 2501 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0222         | 2 Pin Connector. . . . .                 | 2422 025 10646 | 2502 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0232         | Headphone Jack . . . . .                 | 2422 026 04747 | 2503 | 220uF., 20%, 200V, Electrolytic . . . .  | 2020 | 024 | 90557 |
| 0243         | 6 Pin Connector. . . . .                 | 2422 025 04854 | 2504 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0244         | 3 Pin Connector. . . . .                 | 2422 025 04851 | 2505 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0245         | 6 Pin Connector. . . . .                 | 2422 025 04854 | 2506 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0246         | 3 Pin Connector. . . . .                 | 2412 020 00725 | 2508 | 470pF., 1kV, 10%, Ceramic. . . . .       | 3198 | 019 | 64710 |
| 0254         | 9 Pin CRT Socket (M-NECK). . . . .       | 2422 500 80068 | 2515 | 1500pF., 250V, 20%, Ceramic. . . . .     | 2020 | 554 | 90172 |
| 1000         | Tuner V+U PLL F ENV56D98G3 . . . . .     | 2422 542 90108 | 2520 | 0.1uF., 16V, Ceramic . . . . .           | 3198 | 017 | 01040 |
| 1002         | 45.75 MHz Saw Filter F072TPL-A . . . . . | 2422 549 44327 | 2521 | 22uF., 20%, 50V, Electrolytic. . . . .   | 3198 | 025 | 52290 |
| 1200         | 4.5MHz Ceramic Filter, TPS*MB. . . . .   | 2422 549 40807 | 2522 | 0.1uF., 16V, Ceramic . . . . .           | 3198 | 017 | 01040 |
| 1500         | 5 Amp, 250V, Fuse (5X20) . . . . .       | 2422 086 10905 | 2523 | 1500pF., 2kV, 10%, Ceramic . . . . .     | 2020 | 558 | 90489 |
| 1600         | Tact Switch. . . . .                     | 2422 128 02742 | 2525 | 470pF., 50V, Ceramic. . . . .            | 3198 | 017 | 04710 |
| 1601         | Tact Switch. . . . .                     | 2422 128 02742 | 2526 | 0.001uF., 50V, Ceramic . . . . .         | 3198 | 017 | 01020 |
| 1602         | Tact Switch. . . . .                     | 2422 128 02742 | 2527 | 470pF., 50V, Ceramic. . . . .            | 3198 | 017 | 04710 |
| 1603         | Tact Switch. . . . .                     | 2422 128 02742 | 2540 | 0.015uF., 50V, Ceramic . . . . .         | 3198 | 017 | 01530 |
| 1606         | Tact Switch. . . . .                     | 2422 128 02742 | 2560 | 1000pF., 1kV, 10%, Ceramic . . . . .     | 3198 | 019 | 61020 |
| 1660         | 12MHz, Crystal Resonator, HC49/U A . . . | 2422 543 01203 | 2561 | 47uF., 20%, 160V, Electrolytic . . . . . | 2020 | 021 | 91358 |
| 2004         | 0.047uF., 25V, Ceramic . . . . .         | 3198 023 04730 | 2562 | 1000pF., 50V, Ceramic . . . . .          | 3198 | 019 | 11020 |
| 2005         | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 025 51090 | 2563 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 2006         | 470uF., 20%, 16V, Electrolytic . . . . . | 3198 025 24710 | 2564 | 2200uF., 20%, 16V, Electrolytic. . . . . | 2020 | 012 | 93057 |
| 2007         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2565 | 470pF., 1kV, 10%, Ceramic. . . . .       | 3198 | 019 | 64710 |
| 2008         | 100uF., 20%, 25V, Electrolytic . . . . . | 3198 025 31010 | 2567 | 47uF., 20%, 25V, Electrolytic. . . . .   | 3198 | 025 | 34790 |
| 2009         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2568 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 51080 |
| 2181         | 22pF., 50V, Ceramic. . . . .             | 3198 016 02290 | 2569 | 470pF., 50V, Ceramic. . . . .            | 3198 | 017 | 04710 |
| 2182         | 330pF., 50V, Ceramic . . . . .           | 3198 016 03310 | 2580 | 47uF., 20%, 25V, Electrolytic. . . . .   | 3198 | 025 | 34790 |
| 2184         | 2.2uF., 10V, Ceramic . . . . .           | 3198 017 22250 | 2601 | 0.22uF., 25V, Ceramic. . . . .           | 3198 | 023 | 22240 |
| 2202         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2602 | 100pF., 50V, Ceramic . . . . .           | 3198 | 016 | 01010 |
| 2203         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2606 | 1000pF., 50V, Ceramic. . . . .           | 3198 | 016 | 01020 |
| 2204         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2607 | 33pF., 50V, Ceramic. . . . .             | 3198 | 016 | 03390 |
| 2205         | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 | 2608 | 0.1uF., 25V, Ceramic. . . . .            | 3198 | 023 | 21040 |
| 2208         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2609 | 33pF., 50V, Ceramic. . . . .             | 3198 | 016 | 03390 |
| 2209         | 4.7uF., 20%, 50V, Electrolytic . . . . . | 3198 025 54780 | 2611 | 0.1uF., 25V, Ceramic. . . . .            | 3198 | 023 | 21040 |
| 2210         | 0.47uF., 20%, 50V, Electrolytic. . . . . | 3198 025 54770 | 2612 | 22pF., 50V, Ceramic. . . . .             | 3198 | 016 | 02290 |
| 2211         | 0.47uF., 16V, Ceramic . . . . .          | 3198 017 24740 | 2613 | 22pF., 50V, Ceramic. . . . .             | 3198 | 016 | 02290 |
| 2216         | 100uF., 20%, 25V, Electrolytic . . . . . | 3198 025 31010 | 2615 | 1000pF., 50V, Ceramic. . . . .           | 3198 | 016 | 01020 |
| 2217         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2618 | 0.01uF., 50V, Ceramic. . . . .           | 3198 | 017 | 01030 |
| 2219         | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 | 2619 | 1uF., 16V, Ceramic. . . . .              | 3198 | 017 | 21050 |
| 2226         | 4700pF., 50V, Ceramic. . . . .           | 3198 017 04720 | 2691 | 100uF., 20%, 25V, Electrolytic . . . . . | 3198 | 025 | 31010 |
| 2227         | 4700pF., 50V, Ceramic. . . . .           | 3198 017 04720 | 2902 | 220uF., 20%, 50V, Electrolytic . . . . . | 3198 | 026 | 52210 |
| 2228         | 820pF., 50V, Ceramic . . . . .           | 3198 016 08210 | 2903 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 51080 |
| 2229         | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 025 51090 | 2904 | 1uF., 16V, Ceramic. . . . .              | 3198 | 017 | 21050 |
| 2233         | 820pF., 50V, Ceramic . . . . .           | 3198 016 08210 | 2905 | 1000pF., 50V, Ceramic. . . . .           | 3198 | 016 | 01020 |
| 2241         | 4700pF., 50V, Ceramic. . . . .           | 3198 017 04720 | 2908 | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 | 025 | 51090 |
| 2242         | 1uF., 16V, Ceramic. . . . .              | 3198 017 21050 | 2941 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 51080 |
| 2243         | 2200pF., 50V, Ceramic. . . . .           | 3198 017 02220 | 2942 | 0.033uF., 50V, Ceramic . . . . .         | 3198 | 017 | 03330 |
| 2244         | 0.1uF., 10%, 63V, Metalized Polyester.   | 2222 370 75104 | 2943 | 0.1uF., 16V, Ceramic . . . . .           | 3198 | 017 | 01040 |
| 2245         | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 | 2944 | 0.047uF., 50V, Ceramic. . . . .          | 3198 | 017 | 24730 |
| 2246         | 4.7uF., 20%, 50V, Electrolytic . . . . . | 3198 025 54780 | 2945 | 0.01uF., 50V, Ceramic. . . . .           | 3198 | 017 | 01030 |
| 2247         | 100uF., 20%, 25V, Electrolytic . . . . . | 3198 025 31010 | 2946 | 1uF., 16V, Ceramic. . . . .              | 3198 | 017 | 21050 |
| 2248         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2981 | 100uF., 20%, 25V, Electrolytic . . . . . | 3198 | 025 | 31010 |
| 2249         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2982 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 2250         | 2.2uF., 20%, 50V, Electrolytic . . . . . | 3198 025 52280 | 2983 | 100uF., 20%, 25V, Electrolytic . . . . . | 3198 | 025 | 31010 |
| 2252         | 1000pF., 50V, Ceramic . . . . .          | 3198 016 01020 | 2984 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 2253         | 1000pF., 50V, Ceramic. . . . .           | 3198 016 01020 | 3000 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2254         | 100pF., 50V, Ceramic . . . . .           | 3198 016 01010 | 3001 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2313         | 270pF., 50V, Ceramic . . . . .           | 3198 016 02710 | 3002 | Zero ohm "Chip" Jumper . . . . .         | 3198 | 021 | 90020 |
| 2323         | 390pF., 50V, Ceramic . . . . .           | 3198 016 03910 | 3003 | 1.5k, 5% . . . . .                       | 3198 | 021 | 51520 |
| 2331         | 390pF., 50V, Ceramic . . . . .           | 3198 016 03910 | 3004 | 8.2k, 5% . . . . .                       | 3198 | 021 | 58220 |
| 2341         | 2200pF., 1kV, 10%, Ceramic . . . . .     | 2020 558 90571 | 3005 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2342         | 0.047uF., 10%, 250V Metalized Polyester  | 2222 365 45473 | 3181 | 75 ohm, 5%, 1/6W Carbon. . . . .         | 3198 | 011 | 07590 |
| 2343         | 0.047uF., 10%, 250V Metalized Polyester  | 2222 365 45473 | 3182 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2401         | 680pF., 50V, Ceramic. . . . .            | 3198 019 16810 | 3183 | 150 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01510 |
| 2402         | 0.56uF., 5%, 250V, Metalized Polypropyl  |                | 3184 | 47k, 5%. . . . .                         | 3198 | 021 | 54730 |
|              | ene. . . . .                             | 2022 333 00088 | 3200 | 390 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 03910 |
| 2406         | 330pF., 50V, Ceramic . . . . .           | 3198 016 03310 | 3201 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2407         | 0.0082uF., 5%, 1.6kV, Metalized Polypro  |                | 3202 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
|              | pylene . . . . .                         | 2020 301 90247 | 3203 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2408         | 0.022uF., 50V, Ceramic . . . . .         | 3198 019 22230 | 3204 | 10k, 5%, 1/6W Carbon . . . . .           | 3198 | 011 | 01030 |
| 2409         | 47uF., 20%, 160V, Electrolytic . . . . . | 2020 021 91139 | 3206 | 100k, 5% . . . . .                       | 3198 | 021 | 51040 |
| 2410         | 470uF., 20%, 16V, Electrolytic . . . . . | 2020 021 91577 | 3207 | 1k, 5%, 1/6W Carbon. . . . .             | 3198 | 011 | 01020 |
| 2411         | 47uF., 20%, 25V, Electrolytic. . . . .   | 2020 021 90586 | 3208 | 220 ohm, 5%. . . . .                     | 3198 | 021 | 52210 |
| 2412         | 0.033uF., 10%, 100V, Metalized Polyester | 2222 347 90236 | 3209 | 68 ohm, 5% . . . . .                     | 3198 | 021 | 56890 |
| 2413         | 10uF., 20%, 250V, Electrolytic . . . . . | 2020 012 93495 | 3212 | 470 ohm, 5%. . . . .                     | 3198 | 021 | 54710 |
| 2414         | 1000uF., 20%, 16V, Electrolytic. . . . . | 2020 021 91049 | 3213 | 560 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 05610 |
| 2416         | 470pF., 2kV, 10%, Ceramic. . . . .       | 2020 558 90483 | 3217 | 330k, 5% . . . . .                       | 3198 | 021 | 53340 |
| 2417         | 1000uF., 20%, 16V, Electrolytic. . . . . | 2020 021 91049 | 3218 | 82k, 5%. . . . .                         | 3198 | 021 | 58230 |
| 2418         | 0.01uF., 50V, Ceramic . . . . .          | 3198 017 01030 | 3219 | 2.2k, 5%. . . . .                        | 3198 | 021 | 52220 |
| 2419         | 1uF., 20%, 50V, Electrolytic . . . . .   | 2020 021 91147 | 3226 | 560 ohm, 5%. . . . .                     | 3198 | 021 | 55610 |
| 2420         | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 025 51080 | 3232 | 2.2k, 5% . . . . .                       | 3198 | 021 | 52220 |
| 2421         | 0.047uF., 50V, Ceramic. . . . .          | 3198 017 24730 | 3235 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2422         | 470uF., 20%, 16V, Electrolytic . . . . . | 2020 021 91577 | 3241 | 22k, 5%. . . . .                         | 3198 | 021 | 52230 |
|              |  |                | 3242 | 27k, 5%. . . . .                         | 3198 | 021 | 52730 |

# HC0119C125 (continued)

|      |  |                |      |  |                |
|------|--|----------------|------|--|----------------|
| 3244 | 820 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 08210 | 3531 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3245 | 39k, 5%. . . . .   | 3198 021 53930 | 3541 | 470 ohm, 5%. . . . .                       | 3198 021 54710 |
| 3246 | 10k, 5%. . . . .   | 3198 021 51030 | 3542 | 1.5k, 5%. . . . .                          | 3198 021 51520 |
| 3247 | 220k, 5%. . . . .  | 3198 021 52240 | 3543 | 82k, 1%, Metal Film. . . . .               | 2322 156 28203 |
| 3248 | 27k, 5%. . . . .   | 3198 021 52730 | 3544 | 6.8k, 1%, Metal Film . . . . .             | 2322 156 26802 |
| 3249 | 820 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 08210 | 3545 | 82k, 5%. . . . .                           | 3198 021 58230 |
| 3251 | 100 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01010 | 3546 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3254 | 1M, 5%. . . . .  | 3198 021 51050 | 3547 | 0.33 ohm, 5%, 1W, Power Resistor . . . . . | 3198 012 13370 |
| 3256 | 1k, 5%. . . . .  | 3198 021 51020 | 3548 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3257 | 10Meg, 5%. . . . .   | 3198 021 51060 | 3549 | 470 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 04710 |
| 3258 | 330k, 5%. . . . .  | 3198 021 53340 | 3552 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3259 | 470k, 5%. . . . .  | 3198 021 54740 | 3559 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3311 | 3.9k, 5%. . . . .  | 3198 021 53920 | 3561 | 220 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 02210 |
| 3312 | 330 ohm, 5%. . . . .   | 3198 021 53310 | 3562 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3313 | 10 ohm, 5%. . . . .  | 3198 021 51090 | 3563 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3314 | 18k, 5%, Metal Film. . . . .                                     | 2322 195 63183 | 3564 | 4.7 ohm, 5%, 2W, Power Resistor. . . . .   | 3198 012 24780 |
| 3316 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3565 | 330 ohm, 5%, 1W, Power Resistor. . . . .   | 3198 012 13310 |
| 3317 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3566 | 2.2k, 5%. . . . .                          | 3198 021 52220 |
| 3321 | 3.9k, 5%. . . . .  | 3198 021 53920 | 3569 | 5.6k, 5%. . . . .                          | 3198 021 55620 |
| 3322 | 330 ohm, 5%. . . . .   | 3198 021 53310 | 3580 | 47k, 5%. . . . .                           | 3198 021 54730 |
| 3323 | 10 ohm, 5%. . . . .  | 3198 021 51090 | 3603 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3324 | 18k, 5%, Metal Film. . . . .                                     | 2322 195 63183 | 3604 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3326 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3605 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3327 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3606 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3331 | 3.9k, 5%. . . . .  | 3198 021 53920 | 3607 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3332 | 330 ohm, 5%. . . . .   | 3198 021 53310 | 3608 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3333 | 10 ohm, 5%. . . . .  | 3198 021 51090 | 3611 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3334 | 18k, 5%, Metal Film. . . . .                                     | 2322 195 63183 | 3614 | 4.7k, 5%, 1/6W Carbon. . . . .             | 3198 011 04720 |
| 3336 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3615 | 10k, 5%, 1/6W Carbon . . . . .             | 3198 011 01030 |
| 3337 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3617 | 4.7k, 5%, 1/6W Carbon. . . . .             | 3198 011 04720 |
| 3341 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3618 | 6.8k, 5%, 1/6W Carbon. . . . .             | 3198 011 06820 |
| 3347 | 220 ohm, 5% Fusible Resistor NFR25 . . . . .                     | 2306 204 03221 | 3619 | 8.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 08220 |
| 3348 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3622 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3349 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                     | 2306 204 03158 | 3623 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3350 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                     | 2306 204 03158 | 3624 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3401 | 330k, 5%. . . . .  | 2322 242 13334 | 3625 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3402 | 18k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01830 | 3626 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3403 | 22 ohm, 5%, 3W, Power Resistor . . . . .                         | 3198 012 32290 | 3627 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3404 | 6.8 ohm, 5%, Fusible Resistor NFR25. . . . .                     | 2306 204 03688 | 3628 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3406 | 10k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01030 | 3630 | 2.2k, 5%. . . . .                          | 3198 021 52220 |
| 3407 | 220 ohm, 5%, 3W, Power Resistor. . . . .                         | 3198 012 32210 | 3632 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3408 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 3636 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3410 | 33k, 5%. . . . .   | 3198 021 53330 | 3681 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3411 | 10 ohm, 5% Fusible Resistor NFR25. . . . .                       | 2306 204 03109 | 3682 | 3.3k, 5%. . . . .                          | 3198 021 53320 |
| 3412 | 3.3k, 1%, Metal Film . . . . .                                   | 2322 156 23302 | 3683 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3413 | 10k, 5%. . . . .   | 3198 021 51030 | 3684 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3414 | 1.5k, 1%, Metal Film . . . . .                                   | 2322 156 21502 | 3685 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3415 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 3686 | 1.5k, 5%. . . . .                          | 3198 021 51520 |
| 3416 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3691 | 330 ohm, 5%. . . . .                       | 3198 021 53310 |
| 3417 | 33k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 03330 | 3693 | 220 ohm, 5%. . . . .                       | 3198 021 52210 |
| 3418 | 33k, 5%. . . . .   | 3198 021 53330 | 3694 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3419 | 6.8k, 5%. . . . .  | 3198 021 56820 | 3901 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3420 | 33k, 5%. . . . .   | 3198 021 53330 | 3902 | 3.3k, 5%. . . . .                          | 3198 021 53320 |
| 3421 | 6.8 ohm, 5%, 2W, Power Resistor. . . . .                         | 3198 012 26880 | 3903 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3422 | 100 ohm, 5%. . . . .   | 3198 021 51010 | 3904 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3423 | 820 ohm, 5%. . . . .   | 3198 021 58210 | 3907 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3424 | 100 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01010 | 3941 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3425 | 15k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01530 | 3942 | 3.9k, 5%. . . . .                          | 3198 021 53920 |
| 3426 | 1M, 5%. . . . .  | 3198 021 51050 | 3943 | 2.7k, 5%. . . . .                          | 3198 021 52720 |
| 3427 | 12k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01230 | 3944 | 2.7k, 5%. . . . .                          | 3198 021 52720 |
| 3428 | 39 ohm, 5% Fusible Resistor NFR25H . . . . .                     | 2306 207 03399 | 3945 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3431 | 3.3k, 5%. . . . .  | 3198 021 53320 | 3946 | 18k, 5%. . . . .                           | 3198 021 51830 |
| 3432 | 22 ohm, 5%, 1/6W Carbon. . . . .                                 | 3198 011 02290 | 3947 | 330 ohm, 5%. . . . .                       | 3198 021 53310 |
| 3471 | 6.8 ohm, 1%, Metal Film. . . . .                                 | 2322 156 26808 | 3948 | 47k, 5%. . . . .                           | 3198 021 54730 |
| 3472 | 3.9 ohm, 1%, Metal Film. . . . .                                 | 2322 156 23908 | 3949 | 15k, 5%. . . . .                           | 3198 021 51530 |
| 3473 | 2.2k, 1%, Metal Film . . . . .                                   | 2322 156 22202 | 3950 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3474 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 3951 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3475 | 2.2k, 1%, Metal Film . . . . .                                   | 2322 156 22202 | 3981 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3476 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                     | 2306 204 03158 | 3982 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3477 | 220 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02210 | 4001 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3478 | 220 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02210 | 4002 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3479 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 4181 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3500 | 3.3Meg, 5%. . . . .  | 2322 242 13335 | 4212 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3501 | 3.3Meg, 5%. . . . .  | 2322 242 13335 | 4216 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3502 | 4.7 ohm, 20%, 3.1W, Negative Temperature<br>Coefficient. . . . . | 2122 612 00055 | 4217 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3503 | 10 ohm, 30%, 120V, Positive Temperature<br>Coefficient. . . . .  | 2120 661 00026 | 4410 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3506 | Jumper Wire. . . . .   | 0322 179 00003 | 4501 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3507 | Surge Protector DSP-301N-A21F. . . . .                           | 2422 549 43073 | 4613 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3519 | 270 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02710 | 4614 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3520 | 1.2k, 5%. . . . .  | 3198 021 51220 | 4615 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3521 | 4.7 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 04780 | 4616 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3522 | 330k, 5%. . . . .  | 3198 021 53340 | 4617 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3523 | 100 ohm, 5%, Fusible Resistor NFR25 . . . . .                    | 2306 204 03101 | 4618 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3524 | 56k, 5%. . . . .   | 3198 021 55630 | 4619 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3525 | 1k, 5%. . . . .  | 3198 021 51020 | 4622 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3526 | 0.15 ohm, 5%, 1W, Power Resistor . . . . .                       | 3198 012 11570 | 4623 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3527 | 2.2k ohm, 5%, Fusible Resistor NFR25 . . . . .                   | 2306 204 03222 | 4691 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3528 | 10k, 5%. . . . .   | 3198 021 51030 | 4692 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3529 | 47k, 5%. . . . .   | 3198 021 54730 | 4693 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3530 | 4.7k, 5%. . . . .  | 3198 021 54720 | 4807 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |  |                | 4811 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |  |                | 4812 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |

S = Safety Part Be sure to use exact replacement part.

## HC0119C125 (continued)

|      |  |                |  |  |                |
|------|--|----------------|--|--|----------------|
| 4813 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7405                                   | Transistor BC857B . . . . .              | 3198 010 42150 |
| 4814 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7406                                   | Transistor BC857B . . . . .              | 3198 010 42150 |
| 4901 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7407                                   | Power Transistor BD135-16. . . . .       | 3198 020 41190 |
| 4911 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7408                                   | Power Transistor BD135-17. . . . .       | 3198 020 41190 |
| 4982 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7409                                   | Transistor BC857B . . . . .              | 3198 010 42150 |
| 5001 | Fixed Inductor, 5.6uH, 10% . . . . .             | 3198 018 25680 | 7471                                   | IC, TDA9302H . . . . .                   | 9322 088 25682 |
| 5002 | Fixed Inductor, 0.82uH, 10% . . . . .            | 3198 018 18270 | 7515                                   | Opto-Coupler, TCET1103(G). . . . .       | 9322 140 14667 |
| 5201 | Fixed Inductor, 6.8uH, 5% . . . . .              | 3198 018 16880 | 7520                                   | IC, TEA1507P/N1. . . . .                 | 9352 673 56112 |
| 5202 | Fixed Inductor, 10uH, 10% . . . . .              | 3198 018 21090 | 7521                                   | Power FET, STP5NC50FP. . . . .           | 9322 160 71687 |
| 5241 | Fixed Inductor, 10uH, 10% . . . . .              | 3198 018 21090 | 7522                                   | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5242 | Fixed Inductor, 10uH, 5% . . . . .               | 3198 018 11090 | 7540                                   | Transistor BC547B. . . . .               | 3198 020 40030 |
| 5341 | Fixed Inductor, 12uH, 5% SPT0508 . . . . .       | 2422 535 95598 | 7541                                   | Transistor PDTO114ET. . . . .            | 9340 310 10215 |
| 5342 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 7542                                   | Transistor BC857B . . . . .              | 3198 010 42150 |
| 5403 | Fixed Inductor, 27uH, 10%, LHL08 . . . . .       | 2422 535 94888 | 7560                                   | IC, L78L33ACZ. . . . .                   | 9322 134 92676 |
| 5408 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7561                                   | Transistor PDTO143ZT. . . . .            | 9340 547 00215 |
| 5410 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7602                                   | IC M24C16-WBN6 . . . . .                 | 9322 147 25682 |
| 5444 | Signal Driver Transformer SC10009-03. . . . .    | 2422 531 02446 | 7902                                   | IC, AN7523N. . . . .                     | 9322 158 66667 |
| 5445 | LOT Transformer MSLOT4 . . . . .                 | 3128 138 21541 | 7941                                   | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5502 | AC Filter. . . . .                               | 2422 549 44284 | 7942                                   | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5520 | Transformer SS28011-04. . . . .                  | 2422 531 02458 | 7943                                   | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5521 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9181                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5560 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9503                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5561 | Fixed Inductor, 27uH, 10% . . . . .              | 3198 018 22790 | 9692                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5562 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9696                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5563 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9814                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5602 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9820                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5603 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9821                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5604 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9822                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5833 | Jumper Wire. . . . .                             | 0322 179 00003 | 9824                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6001 | Diode Regulator, BZX79-C33 (33Volt). . . . .     | 3198 010 23390 | 9825                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6201 | Diode, BAV21 . . . . .                           | 3198 010 10630 | 9825                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6202 | Diode, BAS316 . . . . .                          | 3198 010 10630 | 9826                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6206 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 | 9827                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6241 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 | 9828                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6311 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9829                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6321 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9830                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6331 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9832                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6341 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9833                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6342 | Diode, 1N4148. . . . .                           | 3198 010 10010 | 9982                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6343 | Diode Regulator, BZX384-C8V2 (8.2Volt) . . . . . | 3198 020 58280 | CBA                                    | Main Chassis . . . . .                   | 3139 178 85481 |
| 6401 | Diode, BAV21 . . . . .                           | 3198 010 10070 | <b>Model 13PR12W/121 Cabinet Parts</b> |  |                |
| 6402 | Diode Rectifier, BYV27-200 . . . . .             | 9322 126 72673 | Model 13PR12W/121 Cabinet Parts        |  |                |
| 6404 | Diode Rectifier, BYD33D. . . . .                 | 9337 410 30133 | S AC01                                 | AC Power Cord. . . . .                   | 3135 010 07291 |
| 6405 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | AC03                                   | Cabinet Back . . . . .                   | 3139 137 90291 |
| 6406 | Diode, BAV70. . . . .                            | 9331 849 10215 | AC04                                   | Cabinet Front. . . . .                   | 3139 137 82911 |
| 6407 | Diode, BAS316 . . . . .                          | 3198 010 10630 | AC05                                   | Chassis Guide. . . . .                   | 3139 124 34091 |
| 6408 | Diode, BAS316 . . . . .                          | 3198 010 10630 | AC06                                   | Control Buttons. . . . .                 | 3139 137 79211 |
| 6409 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | S AC08                                 | CRT A34EJM34X113 . . . . .               | 9301 815 60361 |
| 6410 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | S AC09                                 | Degaussing Coil. . . . .                 | 2422 549 44427 |
| 6413 | Diode, 1N4148. . . . .                           | 3198 010 10010 | AC10                                   | Degaussing Coil Holder (2 used). . . . . | 3135 013 01641 |
| 6414 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 | AC11                                   | Light Guide. . . . .                     | 3139 124 35851 |
| 6415 | Diode, BAS316 . . . . .                          | 3198 010 10630 | AC13                                   | Owner's Manual . . . . .                 | 3121 235 20031 |
| 6419 | Diode Regulator, BZX79-C5V6 (5.6Volt). . . . .   | 3198 010 25680 | AC14                                   | Power Button . . . . .                   | 3139 137 79201 |
| 6420 | Diode Regulator, BZX79-C9V1 (9.1Volt). . . . .   | 9331 177 80133 | REMOTE                                 | Remote Transmitter . . . . .             | 3139 228 87541 |
| 6423 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | AC16                                   | Speaker, 8W, 16 ohm. . . . .             | 2422 264 00407 |
| 6471 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | S AC18                                 | Deflection Yoke. . . . .                 | 3306 133 24671 |
| 6500 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 | AC21                                   | Batteries f Remote Transmitter . . . . . | 9299 000 65263 |
| 6501 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 | AC24                                   | Degaussing Coil Spring . . . . .         | 3139 121 26231 |
| 6502 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 | AC32                                   | Assembly Braid . . . . .                 | 3135 010 07331 |
| 6520 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | AC33                                   | Cabinet Door . . . . .                   | 3139 137 82951 |
| 6523 | Diode, 1N4148. . . . .                           | 3198 010 10010 |  |  |                |
| 6540 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 |  |  |                |
| 6541 | Diode Regulator, BZX79-C10 (10Volt). . . . .     | 3198 010 21090 |  |  |                |
| 6560 | Diode Rectifier, BYW76-RAS15/10. . . . .         | 9322 127 32682 |  |  |                |
| 6562 | Diode Rectifier, EGP20DL-5100. . . . .           | 9322 164 42682 |  |  |                |
| 6563 | Diode, BAS316 . . . . .                          | 3198 010 10630 |  |  |                |
| 6565 | Diode, BAV70. . . . .                            | 9331 849 10215 |  |  |                |
| 6566 | Diode, BAS316 . . . . .                          | 3198 010 10630 |  |  |                |
| 6569 | Diode, BAS316 . . . . .                          | 3198 010 10630 |  |  |                |
| 6570 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 |  |  |                |
| 6681 | Diode, BAT85 . . . . .                           | 9336 247 60133 |  |  |                |
| 6691 | LED, VS LTL-10224WHCR. . . . .                   | 9322 050 99682 |  |  |                |
| 6692 | IR Receiver, TSOP1836UH3V. . . . .               | 9322 127 54667 |  |  |                |
| 6901 | Diode, BAS316 . . . . .                          | 3198 010 10630 |  |  |                |
| 7200 | IC, 2US1 Software Cluster. . . . .               | 9352 699 88557 |  |  |                |
| 7201 | Transistor BC847B . . . . .                      | 3198 010 42030 |  |  |                |
| 7204 | Transistor BC857B . . . . .                      | 3198 010 42150 |  |  |                |
| 7241 | Transistor PDTA114ET. . . . .                    | 3198 010 44010 |  |  |                |
| 7311 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7312 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7313 | Transistor BF423 . . . . .                       | 3198 020 43020 |  |  |                |
| 7321 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7322 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7323 | Transistor BF423 . . . . .                       | 3198 020 43020 |  |  |                |
| 7331 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7332 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7333 | Transistor BF423 . . . . .                       | 3198 020 43020 |  |  |                |
| 7401 | Transistor PDTO143ZT. . . . .                    | 9340 547 00215 |  |  |                |
| 7402 | Power Transistor BUT11APX-1200 . . . . .         | 9340 563 21127 |  |  |                |
| 7403 | Transistor BC337-25. . . . .                     | 3198 020 43530 |  |  |                |
| 7404 | Transistor BC636 . . . . .                       | 9332 219 50126 |  |  |                |

S = Safety Part Be sure to use exact replacement part.

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## Main Chassis

| Main Chassis |  |      |     | 2423  | 10uF., 20%, 100V, Electrolytic         | 2020                                     | 021  | 90813 |       |
|--------------|--|------|-----|-------|--|--|------|-------|-------|
|              | Main Chassis                             |      |     | 2471  | 0.1uF., 10%, 50V, Metalized Polyester. | 3198                                     | 014  | 01040 |       |
| 0127         | 2 Pin Fuse Socket.                       | 3122 | 358 | 71251 | 2472                                   | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014   | 01040 |
| 0138         | IC-SPRING FOR ITEM 7471 (IC TDA9302H).   | 3104 | 301 | 22081 | 2473                                   | 100uF., 20%, 50V, Electrolytic           | 2020 | 021   | 90587 |
| 0139         | IC-SPRING 7402                           | 3139 | 121 | 24581 | 2475                                   | 470pF., 50V, Ceramic                     | 3198 | 016   | 04710 |
| 0211         | 2 Pin Connector (AC Input Plug).         | 2422 | 025 | 16269 | 2476                                   | 0.22uF., 10%, 50V, Metalized Polyester   | 3198 | 014   | 02240 |
| 0212         | 2 Pin Connector (Degaussing Plug (RED))  | 2422 | 025 | 16375 | 2477                                   | 470pF., 50V, Ceramic                     | 3198 | 016   | 04710 |
| 0217         | 3 Pin Connector.                         | 2412 | 020 | 00725 | 2500                                   | 0.47uF., 20%, 275V, Metalized Polypropyl |      |       |       |
| 0218         | 2 Pin Connector.                         | 2422 | 026 | 04637 |  | ene.                                     | 2022 | 330   | 00018 |
| 0220         | 3 Pin Connector.                         | 2422 | 025 | 04851 | 2501                                   | 2200pF., 1kV, Ceramic.                   | 3198 | 019   | 52220 |
| 0221         | 6 Pin Connector.                         | 2422 | 025 | 15503 | 2502                                   | 2200pF., 1kV, Ceramic.                   | 3198 | 019   | 52220 |
| 0222         | 2 Pin Connector.                         | 2422 | 025 | 10646 | 2503                                   | 220uF., 20%, 200V, Electrolytic          | 2020 | 024   | 90557 |
| 0232         | Headphone Jack                           | 2422 | 026 | 04747 | 2504                                   | 2200pF., 1kV, Ceramic.                   | 3198 | 019   | 52220 |
| 0243         | 6 Pin Connector.                         | 2422 | 025 | 04854 | 2505                                   | 2200pF., 1kV, Ceramic.                   | 3198 | 019   | 52220 |
| 0244         | 3 Pin Connector.                         | 2422 | 025 | 04851 | 2506                                   | 2200pF., 1kV, Ceramic.                   | 3198 | 019   | 52220 |
| 0245         | 6 Pin Connector.                         | 2422 | 025 | 04854 | 2508                                   | 470pF., 1kV, 10%, Ceramic.               | 3198 | 019   | 64710 |
| 0246         | 3 Pin Connector.                         | 2412 | 020 | 00725 | 2515                                   | 1500pF., 250V, 20%, Ceramic.             | 2020 | 554   | 90172 |
| 0254         | 9 Pin CRT Socket (M-NECK).               | 2422 | 500 | 80068 | 2520                                   | 0.1uF., 16V, Ceramic                     | 3198 | 017   | 01040 |
| 1000         | Tuner V+U PLL F ENV56D98G3               | 2422 | 542 | 90108 | 2521                                   | 22uF., 20%, 50V, Electrolytic.           | 3198 | 025   | 52290 |
| 1002         | 45.75 MHz Saw Filter F072TPL-A           | 2422 | 549 | 44327 | 2522                                   | 0.1uF., 16V, Ceramic                     | 3198 | 017   | 01040 |
| 1200         | 4.5MHz Ceramic Filter, TPS*MB.           | 2422 | 549 | 40807 | 2523                                   | 1500pF., 2kV, 10%, Ceramic               | 2020 | 558   | 90489 |
| 1500         | 5 Amp, 250V, Fuse (5X20)                 | 2422 | 086 | 10905 | 2525                                   | 470pF, 50V, Ceramic.                     | 3198 | 017   | 04710 |
| 1600         | Tact Switch.                             | 2422 | 128 | 02742 | 2526                                   | 0.001uF., 50V, Ceramic                   | 3198 | 017   | 01020 |
| 1601         | Tact Switch.                             | 2422 | 128 | 02742 | 2527                                   | 470pF, 50V, Ceramic.                     | 3198 | 017   | 04710 |
| 1602         | Tact Switch.                             | 2422 | 128 | 02742 | 2540                                   | 0.015uF., 50V, Ceramic                   | 3198 | 017   | 01530 |
| 1603         | Tact Switch.                             | 2422 | 128 | 02742 | 2560                                   | 1000pF., 1kV, 10%, Ceramic               | 3198 | 019   | 61020 |
| 1606         | Tact Switch.                             | 2422 | 128 | 02742 | 2561                                   | 47uF., 20%, 160V, Electrolytic           | 2020 | 021   | 91358 |
| 1660         | 12MHz, Crystal Resonator, HC49/U A       | 2422 | 543 | 01203 | 2562                                   | 1000pF, 50V, Ceramic                     | 3198 | 019   | 11020 |
| 2004         | 0.047uF., 25V, Ceramic                   | 3198 | 023 | 04730 | 2563                                   | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014   | 01040 |
| 2005         | 10uF., 20%, 50V, Electrolytic.           | 3198 | 025 | 51090 | 2564                                   | 2200uF., 20%, 16V, Electrolytic.         | 2020 | 012   | 93057 |
| 2006         | 470uF., 20%, 16V, Electrolytic           | 3198 | 025 | 24710 | 2565                                   | 470pF., 1kV, 10%, Ceramic.               | 3198 | 019   | 64710 |
| 2007         | 0.1uF, 25V, Ceramic.                     | 3198 | 023 | 21040 | 2567                                   | 47uF., 20%, 25V, Electrolytic.           | 3198 | 025   | 34790 |
| 2008         | 100uF., 20%, 25V, Electrolytic           | 3198 | 025 | 31010 | 2568                                   | 1uF., 20%, 50V, Electrolytic             | 3198 | 025   | 51080 |
| 2009         | 0.022uF., 50V, Ceramic                   | 3198 | 017 | 02230 | 2569                                   | 470pF, 50V, Ceramic.                     | 3198 | 017   | 04710 |
| 2181         | 22pF., 50V, Ceramic.                     | 3198 | 016 | 02290 | 2580                                   | 47uF., 20%, 25V, Electrolytic.           | 3198 | 025   | 34790 |
| 2182         | 330pF., 50V, Ceramic                     | 3198 | 016 | 03310 | 2601                                   | 0.22uF., 25V, Ceramic.                   | 3198 | 023   | 22240 |
| 2184         | 2.2uF., 10V, Ceramic                     | 3198 | 017 | 22250 | 2602                                   | 100pF., 50V, Ceramic                     | 3198 | 016   | 01010 |
| 2202         | 0.1uF, 25V, Ceramic.                     | 3198 | 023 | 21040 | 2606                                   | 1000pF., 50V, Ceramic.                   | 3198 | 016   | 01020 |
| 2203         | 0.1uF, 25V, Ceramic.                     | 3198 | 023 | 21040 | 2607                                   | 33pF., 50V, Ceramic.                     | 3198 | 016   | 03390 |
| 2204         | 0.1uF, 25V, Ceramic.                     | 3198 | 023 | 21040 | 2608                                   | 0.1uF, 25V, Ceramic.                     | 3198 | 023   | 21040 |
| 2205         | 0.22uF., 25V, Ceramic.                   | 3198 | 023 | 22240 | 2609                                   | 33pF., 50V, Ceramic.                     | 3198 | 016   | 03390 |
| 2208         | 0.1uF, 25V, Ceramic.                     | 3198 | 023 | 21040 | 2611                                   | 0.1uF, 25V, Ceramic.                     | 3198 | 023   | 21040 |
| 2209         | 4.7uF., 20%, 50V, Electrolytic           | 3198 | 025 | 54780 | 2612                                   | 22pF., 50V, Ceramic.                     | 3198 | 016   | 02290 |
| 2210         | 0.47uF., 20%, 50V, Electrolytic.         | 3198 | 025 | 54770 | 2613                                   | 22pF., 50V, Ceramic.                     | 3198 | 016   | 02290 |
| 2211         | 0.47uF, 16V, Ceramic                     | 3198 | 017 | 24740 | 2615                                   | 1000pF., 50V, Ceramic.                   | 3198 | 016   | 01020 |
| 2216         | 100uF., 20%, 25V, Electrolytic           | 3198 | 025 | 31010 | 2618                                   | 0.01uF., 50V, Ceramic.                   | 3198 | 017   | 01030 |
| 2217         | 0.022uF., 50V, Ceramic                   | 3198 | 017 | 02230 | 2619                                   | 1uF., 16V, Ceramic.                      | 3198 | 017   | 21050 |
| 2219         | 0.22uF., 25V, Ceramic.                   | 3198 | 023 | 22240 | 2691                                   | 100uF., 20%, 25V, Electrolytic           | 3198 | 025   | 31010 |
| 2226         | 4700pF., 50V, Ceramic.                   | 3198 | 017 | 04720 | 2902                                   | 220uF., 20%, 50V, Electrolytic           | 3198 | 026   | 52210 |
| 2227         | 4700pF., 50V, Ceramic.                   | 3198 | 017 | 04720 | 2903                                   | 1uF., 20%, 50V, Electrolytic             | 3198 | 025   | 51080 |
| 2228         | 820pF., 50V, Ceramic                     | 3198 | 016 | 08210 | 2904                                   | 1uF., 16V, Ceramic.                      | 3198 | 017   | 21050 |
| 2229         | 10uF., 20%, 50V, Electrolytic.           | 3198 | 025 | 51090 | 2905                                   | 1000pF., 50V, Ceramic.                   | 3198 | 016   | 01020 |
| 2230         | 820pF., 50V, Ceramic                     | 3198 | 016 | 08210 | 2908                                   | 10uF., 20%, 50V, Electrolytic.           | 3198 | 025   | 51090 |
| 2241         | 4700pF., 50V, Ceramic.                   | 3198 | 017 | 04720 | 2941                                   | 1uF., 20%, 50V, Electrolytic             | 3198 | 025   | 51080 |
| 2242         | 1uF., 16V, Ceramic.                      | 3198 | 017 | 21050 | 2942                                   | 0.033uF., 50V, Ceramic                   | 3198 | 017   | 03330 |
| 2243         | 2200pF., 50V, Ceramic.                   | 3198 | 017 | 02220 | 2943                                   | 0.1uF., 16V, Ceramic                     | 3198 | 017   | 01040 |
| 2244         | 0.1uF., 10%, 63V, Metalized Polyester.   | 2222 | 370 | 75104 | 2944                                   | 0.047uF, 50V, Ceramic.                   | 3198 | 017   | 24730 |
| 2245         | 0.22uF., 25V, Ceramic.                   | 3198 | 023 | 22240 | 2945                                   | 0.01uF., 50V, Ceramic.                   | 3198 | 017   | 01030 |
| 2246         | 4.7uF., 20%, 50V, Electrolytic           | 3198 | 025 | 54780 | 2946                                   | 1uF., 16V, Ceramic.                      | 3198 | 017   | 21050 |
| 2247         | 100uF., 20%, 25V, Electrolytic           | 3198 | 025 | 31010 | 2981                                   | 100uF., 20%, 25V, Electrolytic           | 3198 | 025   | 31010 |
| 2248         | 0.022uF., 50V, Ceramic                   | 3198 | 017 | 02230 | 2982                                   | 470pF, 50V, Ceramic                      | 3198 | 016   | 04710 |
| 2249         | 0.022uF., 50V, Ceramic                   | 3198 | 017 | 02230 | 2983                                   | 100uF., 20%, 25V, Electrolytic           | 3198 | 025   | 31010 |
| 2250         | 2.2uF., 20%, 50V, Electrolytic           | 3198 | 025 | 52280 | 2984                                   | 470pF., 50V, Ceramic                     | 3198 | 016   | 04710 |
| 2252         | 1000pF., 50V, Ceramic.                   | 3198 | 016 | 01020 | 3000                                   | 100 ohm, 5%, 1/6W Carbon                 | 3198 | 011   | 01010 |
| 2253         | 1000pF., 50V, Ceramic.                   | 3198 | 016 | 01020 | 3001                                   | 100 ohm, 5%, 1/6W Carbon                 | 3198 | 011   | 01010 |
| 2254         | 100pF., 50V, Ceramic                     | 3198 | 016 | 01010 | 3002                                   | Zero ohm "Chip" Jumper                   | 3198 | 021   | 90020 |
| 2313         | 270pF., 50V, Ceramic                     | 3198 | 016 | 02710 | 3003                                   | 1.5k, 5%                                 | 3198 | 021   | 51520 |
| 2323         | 390pF., 50V, Ceramic                     | 3198 | 016 | 03910 | 3004                                   | 8.2k, 5%                                 | 3198 | 021   | 58220 |
| 2331         | 390pF., 50V, Ceramic                     | 3198 | 016 | 03910 | 3005                                   | 100 ohm, 5%, 1/6W Carbon                 | 3198 | 011   | 01010 |
| 2341         | 2200pF., 1kV, 10%, Ceramic               | 2020 | 558 | 90571 | 3181                                   | 75 ohm, 5%, 1/6W Carbon.                 | 3198 | 011   | 07590 |
| 2342         | 0.047uF, 10%, 250V Metalized Polyester   | 2222 | 365 | 45473 | 3182                                   | 100 ohm, 5%, 1/6W Carbon                 | 3198 | 011   | 01010 |
| 2343         | 0.047uF, 10%, 250V Metalized Polyester   | 2222 | 365 | 45473 | 3183                                   | 150 ohm, 5%, 1/6W Carbon                 | 3198 | 011   | 01510 |
| 2401         | 680pF, 50V, Ceramic.                     | 3198 | 019 | 16810 | 3184                                   | 47k, 5%.                                 | 3198 | 021   | 54730 |
| 2402         | 0.56uF., 5%, 250V, Metalized Polypropyl  |      |     |       | 3200                                   | 390 ohm, 5%, 1/6W Carbon                 | 3198 | 011   | 03910 |
|              | ene.                                     | 2022 | 333 | 00088 | 3201                                   | 100 ohm, 5%, 1/6W Carbon                 | 3198 | 011   | 01010 |
| 2406         | 330pF., 50V, Ceramic                     | 3198 | 016 | 03310 | 3202                                   | 100 ohm, 5%, 1/6W Carbon                 | 3198 | 011   | 01010 |
| 2407         | 0.0082uF., 5%, 1.6kV, Metalized Polypro  |      |     |       | 3203                                   | 100 ohm, 5%, 1/6W Carbon                 | 3198 | 011   | 01010 |
|              | pylene                                   | 2020 | 301 | 90247 | 3204                                   | 10k, 5%, 1/6W Carbon                     | 3198 | 011   | 01030 |
| 2408         | 0.022uF., 50V, Ceramic                   | 3198 | 019 | 22230 | 3206                                   | 100k, 5%                                 | 3198 | 021   | 51040 |
| 2409         | 47uF., 20%, 160V, Electrolytic           | 2020 | 021 | 91139 | 3207                                   | 1k, 5%, 1/6W Carbon.                     | 3198 | 011   | 01020 |
| 2410         | 470uF., 20%, 16V, Electrolytic           | 2020 | 021 | 91577 | 3208                                   | 220 ohm, 5%.                             | 3198 | 021   | 52210 |
| 2411         | 47uF., 20%, 25V, Electrolytic.           | 2020 | 021 | 90586 | 3209                                   | 68 ohm, 5%                               | 3198 | 021   | 56890 |
| 2412         | 0.033uF., 10%, 100V, Metalized Polyester | 2222 | 347 | 90236 | 3212                                   | 470 ohm, 5%.                             | 3198 | 021   | 54710 |
| 2413         | 10uF., 20%, 250V, Electrolytic           | 2020 | 012 | 93495 | 3213                                   | 560 ohm, 5%, 1/6W Carbon                 | 3198 | 011   | 05610 |
| 2414         | 1000uF., 20%, 16V, Electrolytic.         | 2020 | 021 | 91049 | 3217                                   | 330k, 5%.                                | 3198 | 021   | 53340 |
| 2416         | 470pF., 2kV, 10%, Ceramic.               | 2020 | 558 | 90483 | 3218                                   | 82k, 5%.                                 | 3198 | 021   | 58230 |
| 2417         | 1000uF., 20%, 16V, Electrolytic.         | 2020 | 021 | 91049 | 3219                                   | 2.2k, 5%                                 | 3198 | 021   | 52220 |
| 2418         | 0.01uF., 50V, Ceramic.                   | 3198 | 017 | 01030 | 3226                                   | 560 ohm, 5%.                             | 3198 | 021   | 55610 |
| 2419         | 1uF., 20%, 50V, Electrolytic             | 2020 | 021 | 91147 | 3232                                   | 2.2k, 5%                                 | 3198 | 021   | 52220 |
| 2420         | 1uF., 20%, 50V, Electrolytic             | 3198 | 025 | 51080 | 3235                                   | 100 ohm, 5%, 1/6W Carbon                 | 3198 | 011   | 01010 |
| 2421         | 0.047uF, 50V, Ceramic.                   | 3198 | 017 | 24730 | 3241                                   | 22k, 5%.                                 | 3198 | 021   | 52230 |
| 2422         | 470uF., 20%, 16V, Electrolytic           | 2020 | 021 | 91577 | 3242                                   | 27k, 5%.                                 | 3198 | 021   | 52730 |

S = Safety Part      Be sure to use exact replacement part.

# PA0113C121 (continued)

|      |  |                |      |  |                |
|------|--|----------------|------|--|----------------|
| 3244 | 820 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 08210 | 3531 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3245 | 39k, 5%. . . . .   | 3198 021 53930 | 3541 | 470 ohm, 5%. . . . .                       | 3198 021 54710 |
| 3246 | 10k, 5%. . . . .   | 3198 021 51030 | 3542 | 1.5k, 5%. . . . .                          | 3198 021 51520 |
| 3247 | 220k, 5%. . . . .  | 3198 021 52240 | 3543 | 82k, 1%, Metal Film. . . . .               | 2322 156 28203 |
| 3248 | 27k, 5%. . . . .   | 3198 021 52730 | 3544 | 6.8k, 1%, Metal Film . . . . .             | 2322 156 26802 |
| 3249 | 820 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 08210 | 3545 | 82k, 5%. . . . .                           | 3198 021 58230 |
| 3251 | 100 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01010 | 3546 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3254 | 1M, 5%. . . . .  | 3198 021 51050 | 3547 | 0.33 ohm, 5%, 1W, Power Resistor . . . . . | 3198 012 13370 |
| 3256 | 1k, 5%. . . . .  | 3198 021 51020 | 3548 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3257 | 10Meg, 5%. . . . .   | 3198 021 51060 | 3549 | 470 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 04710 |
| 3258 | 330k, 5%. . . . .  | 3198 021 53340 | 3552 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3259 | 470k, 5%. . . . .  | 3198 021 54740 | 3559 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3311 | 3.9k, 5%. . . . .  | 3198 021 53920 | 3561 | 220 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 02210 |
| 3312 | 330 ohm, 5%. . . . .   | 3198 021 53310 | 3562 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3313 | 10 ohm, 5%. . . . .  | 3198 021 51090 | 3563 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3314 | 18k, 5%, Metal Film. . . . .                                     | 2322 195 63183 | 3564 | 4.7 ohm, 5%, 2W, Power Resistor. . . . .   | 3198 012 24780 |
| 3316 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3565 | 330 ohm, 5%, 1W, Power Resistor. . . . .   | 3198 012 13310 |
| 3317 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3566 | 2.2k, 5%. . . . .                          | 3198 021 52220 |
| 3321 | 3.9k, 5%. . . . .  | 3198 021 53920 | 3569 | 5.6k, 5%. . . . .                          | 3198 021 55620 |
| 3322 | 330 ohm, 5%. . . . .   | 3198 021 53310 | 3580 | 47k, 5%. . . . .                           | 3198 021 54730 |
| 3323 | 10 ohm, 5%. . . . .  | 3198 021 51090 | 3603 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3324 | 18k, 5%, Metal Film. . . . .                                     | 2322 195 63183 | 3604 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3326 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3605 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3327 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3606 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3331 | 3.9k, 5%. . . . .  | 3198 021 53920 | 3607 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3332 | 330 ohm, 5%. . . . .   | 3198 021 53310 | 3608 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3333 | 10 ohm, 5%. . . . .  | 3198 021 51090 | 3611 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3334 | 18k, 5%, Metal Film. . . . .                                     | 2322 195 63183 | 3614 | 4.7k, 5%, 1/6W Carbon. . . . .             | 3198 011 04720 |
| 3336 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3615 | 10k, 5%, 1/6W Carbon . . . . .             | 3198 011 01030 |
| 3337 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3617 | 4.7k, 5%, 1/6W Carbon. . . . .             | 3198 011 04720 |
| 3341 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3618 | 6.8k, 5%, 1/6W Carbon. . . . .             | 3198 011 06820 |
| 3347 | 220 ohm, 5% Fusible Resistor NFR25 . . . . .                     | 2306 204 03221 | 3619 | 8.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 08220 |
| 3348 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3622 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3349 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                     | 2306 204 03158 | 3623 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3350 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                     | 2306 204 03158 | 3624 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3401 | 330k, 5%. . . . .  | 2322 242 13334 | 3625 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3402 | 18k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01830 | 3626 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3403 | 22 ohm, 5%, 3W, Power Resistor . . . . .                         | 3198 012 32290 | 3627 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3404 | 6.8 ohm, 5%, Fusible Resistor NFR25. . . . .                     | 2306 204 03688 | 3628 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3406 | 10k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01030 | 3630 | 2.2k, 5%. . . . .                          | 3198 021 52220 |
| 3407 | 220 ohm, 5%, 3W, Power Resistor. . . . .                         | 3198 012 32210 | 3632 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3408 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 3636 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3410 | 33k, 5%. . . . .   | 3198 021 53330 | 3681 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3411 | 10 ohm, 5% Fusible Resistor NFR25. . . . .                       | 2306 204 03109 | 3682 | 3.3k, 5%. . . . .                          | 3198 021 53320 |
| 3412 | 3.3k, 1%, Metal Film . . . . .                                   | 2322 156 23302 | 3683 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3413 | 10k, 5%. . . . .   | 3198 021 51030 | 3684 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3414 | 1.5k, 1%, Metal Film . . . . .                                   | 2322 156 21502 | 3685 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3415 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 3686 | 1.5k, 5%. . . . .                          | 3198 021 51520 |
| 3416 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3691 | 330 ohm, 5%. . . . .                       | 3198 021 53310 |
| 3417 | 33k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 03330 | 3693 | 220 ohm, 5%. . . . .                       | 3198 021 52210 |
| 3418 | 33k, 5%. . . . .   | 3198 021 53330 | 3694 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3419 | 6.8k, 5%. . . . .  | 3198 021 56820 | 3901 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3420 | 33k, 5%. . . . .   | 3198 021 53330 | 3902 | 3.3k, 5%. . . . .                          | 3198 021 53320 |
| 3421 | 6.8 ohm, 5%, 2W, Power Resistor. . . . .                         | 3198 012 26880 | 3903 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3422 | 100 ohm, 5%. . . . .   | 3198 021 51010 | 3904 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3423 | 820 ohm, 5%. . . . .   | 3198 021 58210 | 3907 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3424 | 100 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01010 | 3941 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3425 | 15k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01530 | 3942 | 3.9k, 5%. . . . .                          | 3198 021 53920 |
| 3426 | 1M, 5%. . . . .  | 3198 021 51050 | 3943 | 2.7k, 5%. . . . .                          | 3198 021 52720 |
| 3427 | 12k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01230 | 3944 | 2.7k, 5%. . . . .                          | 3198 021 52720 |
| 3428 | 39 ohm, 5% Fusible Resistor NFR25H . . . . .                     | 2306 207 03399 | 3945 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3431 | 3.3k, 5%. . . . .  | 3198 021 53320 | 3946 | 18k, 5%. . . . .                           | 3198 021 51830 |
| 3432 | 22 ohm, 5%, 1/6W Carbon. . . . .                                 | 3198 011 02290 | 3947 | 330 ohm, 5%. . . . .                       | 3198 021 53310 |
| 3471 | 6.8 ohm, 1%, Metal Film. . . . .                                 | 2322 156 26808 | 3948 | 47k, 5%. . . . .                           | 3198 021 54730 |
| 3472 | 3.9 ohm, 1%, Metal Film. . . . .                                 | 2322 156 23908 | 3949 | 15k, 5%. . . . .                           | 3198 021 51530 |
| 3473 | 2.2k, 1%, Metal Film . . . . .                                   | 2322 156 22202 | 3950 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3474 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 3951 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3475 | 2.2k, 1%, Metal Film . . . . .                                   | 2322 156 22202 | 3981 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3476 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                     | 2306 204 03158 | 3982 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3477 | 220 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02210 | 4001 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3478 | 220 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02210 | 4002 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3479 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 4181 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3500 | 3.3Meg, 5%. . . . .  | 2322 242 13335 | 4212 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3501 | 3.3Meg, 5%. . . . .  | 2322 242 13335 | 4216 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3502 | 4.7 ohm, 20%, 3.1W, Negative Temperature<br>Coefficient. . . . . | 2122 612 00055 | 4217 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3503 | 10 ohm, 30%, 120V, Positive Temperature<br>Coefficient. . . . .  | 2120 661 00026 | 4410 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3506 | Jumper Wire. . . . .   | 0322 179 00003 | 4501 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3507 | Surge Protector DSP-301N-A21F. . . . .                           | 2422 549 43073 | 4613 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3519 | 270 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02710 | 4614 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3520 | 1.2k, 5%. . . . .  | 3198 021 51220 | 4615 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3521 | 4.7 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 04780 | 4616 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3522 | 330k, 5%. . . . .  | 3198 021 53340 | 4617 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3523 | 100 ohm, 5%, Fusible Resistor NFR25 . . . . .                    | 2306 204 03101 | 4618 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3524 | 56k, 5%. . . . .   | 3198 021 55630 | 4619 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3525 | 1k, 5%. . . . .  | 3198 021 51020 | 4622 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3526 | 0.15 ohm, 5%, 1W, Power Resistor . . . . .                       | 3198 012 11570 | 4623 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3527 | 2.2k ohm, 5%, Fusible Resistor NFR25 . . . . .                   | 2306 204 03222 | 4691 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3528 | 10k, 5%. . . . .   | 3198 021 51030 | 4692 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3529 | 47k, 5%. . . . .   | 3198 021 54730 | 4693 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3530 | 4.7k, 5%. . . . .  | 3198 021 54720 | 4807 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |  |                | 4811 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |  |                | 4812 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |

S = Safety Part Be sure to use exact replacement part.

# PA0113C121 (continued)

|      |  |                |  |  |                |
|------|--|----------------|--|--|----------------|
| 4813 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7405                                   | Transistor BC857B . . . . .              | 3198 010 42150 |
| 4814 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7406                                   | Transistor BC857B . . . . .              | 3198 010 42150 |
| 4901 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7407                                   | Power Transistor BD135-16. . . . .       | 3198 020 41190 |
| 4911 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7408                                   | Power Transistor BD135-17. . . . .       | 3198 020 41190 |
| 4982 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7409                                   | Transistor BC857B . . . . .              | 3198 010 42150 |
| 5001 | Fixed Inductor, 5.6uH, 10% . . . . .             | 3198 018 25680 | 7471                                   | IC, TDA9302H . . . . .                   | 9322 088 25682 |
| 5002 | Fixed Inductor, 0.82uH, 10% . . . . .            | 3198 018 18270 | 7515                                   | Opto-Coupler, TCET1103(G). . . . .       | 9322 140 14667 |
| 5201 | Fixed Inductor, 6.8uH, 5% . . . . .              | 3198 018 16880 | 7520                                   | IC, TEA1507P/N1. . . . .                 | 9352 673 56112 |
| 5202 | Fixed Inductor, 10uH, 10% . . . . .              | 3198 018 21090 | 7521                                   | Power FET, STP5NC50FP. . . . .           | 9322 160 71687 |
| 5241 | Fixed Inductor, 10uH, 10% . . . . .              | 3198 018 21090 | 7522                                   | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5242 | Fixed Inductor, 10uH, 5% . . . . .               | 3198 018 11090 | 7540                                   | Transistor BC547B. . . . .               | 3198 020 40030 |
| 5341 | Fixed Inductor, 12uH, 5% SPT0508 . . . . .       | 2422 535 95598 | 7541                                   | Transistor PDTC114ET. . . . .            | 9340 310 10215 |
| 5342 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 7542                                   | Transistor BC857B . . . . .              | 3198 010 42150 |
| 5403 | Fixed Inductor, 27uH, 10%, LHL08 . . . . .       | 2422 535 94888 | 7560                                   | IC, L78L33ACZ. . . . .                   | 9322 134 92676 |
| 5408 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7561                                   | Transistor PDTC143ZT. . . . .            | 9340 547 00215 |
| 5410 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7602                                   | IC M24C16-WBN6 . . . . .                 | 9322 147 25682 |
| 5444 | Signal Driver Transformer SC10009-03. . . . .    | 2422 531 02446 | 7902                                   | IC, AN7523N. . . . .                     | 9322 158 66667 |
| 5445 | LOT Transformer MSLOT4 . . . . .                 | 3128 138 21541 | 7941                                   | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5502 | AC Filter. . . . .                               | 2422 549 44284 | 7942                                   | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5520 | Transformer SS28011-04. . . . .                  | 2422 531 02458 | 7943                                   | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5521 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9181                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5560 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9503                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5561 | Fixed Inductor, 27uH, 10% . . . . .              | 3198 018 22790 | 9692                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5562 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9696                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5563 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9814                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5602 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9820                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5603 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9821                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5604 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9822                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5833 | Jumper Wire. . . . .                             | 0322 179 00003 | 9824                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6001 | Diode Regulator, BZX79-C33 (33Volt). . . . .     | 3198 010 23390 | 9825                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6201 | Diode, BAV21 . . . . .                           | 3198 010 10630 | 9825                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6202 | Diode, BAS316 . . . . .                          | 3198 010 10630 | 9826                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6206 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 | 9827                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6241 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 | 9828                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6311 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9829                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6321 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9830                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6331 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9832                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6341 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9833                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6342 | Diode, 1N4148. . . . .                           | 3198 010 10010 | 9982                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6343 | Diode Regulator, BZX384-C8V2 (8.2Volt) . . . . . | 3198 020 58280 | CBA                                    | Main Chassis . . . . .                   | 3139 178 85481 |
| 6401 | Diode, BAV21 . . . . .                           | 3198 010 10070 | <b>Model 14LL100/121 Cabinet Parts</b> |  |                |
| 6402 | Diode Rectifier, BYV27-200 . . . . .             | 9322 126 72673 | Model 14LL100/121 Cabinet Parts        |  |                |
| 6404 | Diode Rectifier, BYD33D. . . . .                 | 9337 410 30133 | S AC01                                 | AC Power Cord. . . . .                   | 3135 010 04751 |
| 6405 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | AC03                                   | Cabinet Back . . . . .                   | 3139 137 92791 |
| 6406 | Diode, BAV70. . . . .                            | 9331 849 10215 | AC04                                   | Cabinet Front. . . . .                   | 3139 137 82921 |
| 6407 | Diode, BAS316 . . . . .                          | 3198 010 10630 | AC05                                   | Chassis Guide. . . . .                   | 3139 124 34091 |
| 6408 | Diode, BAS316 . . . . .                          | 3198 010 10630 | AC06                                   | Control Buttons. . . . .                 | 3139 137 79211 |
| 6409 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | S AC08                                 | CRT A34EJM34X113 . . . . .               | 9301 815 60361 |
| 6410 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | S AC09                                 | Degaussing Coil. . . . .                 | 2422 549 44427 |
| 6413 | Diode, 1N4148. . . . .                           | 3198 010 10010 | AC10                                   | Degaussing Coil Holder (2 used). . . . . | 3135 013 01641 |
| 6414 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 | AC11                                   | Light Guide. . . . .                     | 3139 124 35851 |
| 6415 | Diode, BAS316 . . . . .                          | 3198 010 10630 | AC13                                   | Owner's Manual . . . . .                 | 3121 235 20141 |
| 6419 | Diode Regulator, BZX79-C5V6 (5.6Volt). . . . .   | 3198 010 25680 | AC14                                   | Power Button . . . . .                   | 3139 137 79201 |
| 6420 | Diode Regulator, BZX79-C9V1 (9.1Volt). . . . .   | 9331 177 80133 | REMOTE                                 | Remote Transmitter . . . . .             | 3139 228 87521 |
| 6423 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | AC16                                   | Speaker, 8W, 16 ohm. . . . .             | 2422 264 00407 |
| 6471 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | S AC18                                 | Deflection Yoke. . . . .                 | 3306 133 24671 |
| 6500 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 | AC21                                   | Batteries f Remote Transmitter . . . . . | 9299 000 65263 |
| 6501 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 | AC24                                   | Degaussing Coil Spring . . . . .         | 3139 121 26231 |
| 6502 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 | AC32                                   | Assembly Braid . . . . .                 | 3135 010 07331 |
| 6520 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | AC33                                   | Cabinet Door . . . . .                   | 3139 137 82961 |
| 6523 | Diode, 1N4148. . . . .                           | 3198 010 10010 |  |  |                |
| 6540 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 |  |  |                |
| 6541 | Diode Regulator, BZX79-C10 (10Volt). . . . .     | 3198 010 21090 |  |  |                |
| 6560 | Diode Rectifier, BYW76-RAS15/10. . . . .         | 9322 127 32682 |  |  |                |
| 6562 | Diode Rectifier, EGP20DL-5100. . . . .           | 9322 164 42682 |  |  |                |
| 6563 | Diode, BAS316 . . . . .                          | 3198 010 10630 |  |  |                |
| 6565 | Diode, BAV70. . . . .                            | 9331 849 10215 |  |  |                |
| 6566 | Diode, BAS316 . . . . .                          | 3198 010 10630 |  |  |                |
| 6569 | Diode, BAS316 . . . . .                          | 3198 010 10630 |  |  |                |
| 6570 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 |  |  |                |
| 6681 | Diode, BAT85 . . . . .                           | 9336 247 60133 |  |  |                |
| 6691 | LED, VS LTL-10224WHCR. . . . .                   | 9322 050 99682 |  |  |                |
| 6692 | IR Receiver, TSOP1836UH3V. . . . .               | 9322 127 54667 |  |  |                |
| 6901 | Diode, BAS316 . . . . .                          | 3198 010 10630 |  |  |                |
| 7200 | IC, 2US1 Software Cluster. . . . .               | 9352 699 88557 |  |  |                |
| 7201 | Transistor BC847B . . . . .                      | 3198 010 42030 |  |  |                |
| 7204 | Transistor BC857B . . . . .                      | 3198 010 42150 |  |  |                |
| 7241 | Transistor PDTA114ET. . . . .                    | 3198 010 44010 |  |  |                |
| 7311 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7312 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7313 | Transistor BF423 . . . . .                       | 3198 020 43020 |  |  |                |
| 7321 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7322 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7323 | Transistor BF423 . . . . .                       | 3198 020 43020 |  |  |                |
| 7331 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7332 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7333 | Transistor BF423 . . . . .                       | 3198 020 43020 |  |  |                |
| 7401 | Transistor PDTC143ZT. . . . .                    | 9340 547 00215 |  |  |                |
| 7402 | Power Transistor BUT11APX-1200 . . . . .         | 9340 563 21127 |  |  |                |
| 7403 | Transistor BC337-25. . . . .                     | 3198 020 43530 |  |  |                |
| 7404 | Transistor BC636 . . . . .                       | 9332 219 50126 |  |  |                |

S = Safety Part Be sure to use exact replacement part.

# PC0119C125 - Manual no. 7602

## Main Chassis

|              |  |                |      |  |      |     |       |
|--------------|--|----------------|------|--|------|-----|-------|
| Main Chassis |  |                | 2423 | 10uF., 20%, 100V, Electrolytic . . . .   | 2020 | 021 | 90813 |
| 0127         | 2 Pin Fuse Socket. . . . .               | 3122 358 71251 | 2471 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 0138         | IC-SPRING FOR ITEM 7471 (IC TDA9302H).   | 3104 301 22081 | 2472 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 0139         | IC-SPRING 7402 . . . . .                 | 3139 121 24581 | 2473 | 100uF., 20%, 50V, Electrolytic . . . .   | 2020 | 021 | 90587 |
| 0211         | 2 Pin Connector (AC Input Plug). . . .   | 2422 025 16269 | 2475 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 0212         | 2 Pin Connector (Degaussing Plug (RED))  | 2422 025 16375 | 2476 | 0.22uF., 10%, 50V, Metalized Polyester   | 3198 | 014 | 02240 |
| 0217         | 3 Pin Connector. . . . .                 | 2412 020 00725 | 2477 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 0218         | 2 Pin Connector. . . . .                 | 2422 026 04637 | 2500 | 0.47uF., 20%, 275V, Metalized Polypropyl |      |     |       |
| 0220         | 3 Pin Connector. . . . .                 | 2422 025 04851 |      | ene. . . . .                             | 2022 | 330 | 00018 |
| 0221         | 6 Pin Connector. . . . .                 | 2422 025 15503 | 2501 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0222         | 2 Pin Connector. . . . .                 | 2422 025 10646 | 2502 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0232         | Headphone Jack . . . . .                 | 2422 026 04747 | 2503 | 220uF., 20%, 200V, Electrolytic . . . .  | 2020 | 024 | 90557 |
| 0243         | 6 Pin Connector. . . . .                 | 2422 025 04854 | 2504 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0244         | 3 Pin Connector. . . . .                 | 2422 025 04851 | 2505 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0245         | 6 Pin Connector. . . . .                 | 2422 025 04854 | 2506 | 2200pF., 1kV, Ceramic. . . . .           | 3198 | 019 | 52220 |
| 0246         | 3 Pin Connector. . . . .                 | 2412 020 00725 | 2508 | 470pF., 1kV, 10%, Ceramic. . . . .       | 3198 | 019 | 64710 |
| 0254         | 9 Pin CRT Socket (M-NECK). . . . .       | 2422 500 80068 | 2515 | 1500pF., 250V, 20%, Ceramic. . . . .     | 2020 | 554 | 90172 |
| 1000         | Tuner V+U PLL F ENV56D98G3 . . . . .     | 2422 542 90108 | 2520 | 0.1uF., 16V, Ceramic . . . . .           | 3198 | 017 | 01040 |
| 1002         | 45.75 MHz Saw Filter F072TPL-A . . . .   | 2422 549 44327 | 2521 | 22uF., 20%, 50V, Electrolytic. . . . .   | 3198 | 025 | 52290 |
| 1200         | 4.5MHz Ceramic Filter, TPS*MB. . . . .   | 2422 549 40807 | 2522 | 0.1uF., 16V, Ceramic . . . . .           | 3198 | 017 | 01040 |
| 1500         | 5 Amp, 250V, Fuse (5X20) . . . . .       | 2422 086 10905 | 2523 | 1500pF., 2kV, 10%, Ceramic . . . . .     | 2020 | 558 | 90489 |
| 1600         | Tact Switch. . . . .                     | 2422 128 02742 | 2525 | 470pF., 50V, Ceramic. . . . .            | 3198 | 017 | 04710 |
| 1601         | Tact Switch. . . . .                     | 2422 128 02742 | 2526 | 0.001uF., 50V, Ceramic . . . . .         | 3198 | 017 | 01020 |
| 1602         | Tact Switch. . . . .                     | 2422 128 02742 | 2527 | 470pF., 50V, Ceramic. . . . .            | 3198 | 017 | 04710 |
| 1603         | Tact Switch. . . . .                     | 2422 128 02742 | 2540 | 0.015uF., 50V, Ceramic . . . . .         | 3198 | 017 | 01530 |
| 1606         | Tact Switch. . . . .                     | 2422 128 02742 | 2560 | 1000pF., 1kV, 10%, Ceramic . . . . .     | 3198 | 019 | 61020 |
| 1660         | 12MHz, Crystal Resonator, HC49/U A . .   | 2422 543 01203 | 2561 | 47uF., 20%, 160V, Electrolytic . . . . . | 2020 | 021 | 91358 |
| 2004         | 0.047uF., 25V, Ceramic . . . . .         | 3198 023 04730 | 2562 | 1000pF., 50V, Ceramic . . . . .          | 3198 | 019 | 11020 |
| 2005         | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 025 51090 | 2563 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 | 014 | 01040 |
| 2006         | 470uF., 20%, 16V, Electrolytic . . . .   | 3198 025 24710 | 2564 | 2200uF., 20%, 16V, Electrolytic. . . .   | 2020 | 012 | 93057 |
| 2007         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2565 | 470pF., 1kV, 10%, Ceramic. . . . .       | 3198 | 019 | 64710 |
| 2008         | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 025 31010 | 2567 | 47uF., 20%, 25V, Electrolytic. . . . .   | 3198 | 025 | 34790 |
| 2009         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2568 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 51080 |
| 2181         | 22pF., 50V, Ceramic. . . . .             | 3198 016 02290 | 2569 | 470pF., 50V, Ceramic. . . . .            | 3198 | 017 | 04710 |
| 2182         | 330pF., 50V, Ceramic . . . . .           | 3198 016 03310 | 2580 | 47uF., 20%, 25V, Electrolytic. . . . .   | 3198 | 025 | 34790 |
| 2184         | 2.2uF., 10V, Ceramic . . . . .           | 3198 017 22250 | 2601 | 0.22uF., 25V, Ceramic. . . . .           | 3198 | 023 | 22240 |
| 2202         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2602 | 100pF., 50V, Ceramic . . . . .           | 3198 | 016 | 01010 |
| 2203         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2606 | 1000pF., 50V, Ceramic. . . . .           | 3198 | 016 | 01020 |
| 2204         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2607 | 33pF., 50V, Ceramic. . . . .             | 3198 | 016 | 03390 |
| 2205         | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 | 2608 | 0.1uF., 25V, Ceramic. . . . .            | 3198 | 023 | 21040 |
| 2208         | 0.1uF., 25V, Ceramic. . . . .            | 3198 023 21040 | 2609 | 33pF., 50V, Ceramic. . . . .             | 3198 | 016 | 03390 |
| 2209         | 4.7uF., 20%, 50V, Electrolytic . . . .   | 3198 025 54780 | 2611 | 0.1uF., 25V, Ceramic. . . . .            | 3198 | 023 | 21040 |
| 2210         | 0.47uF., 20%, 50V, Electrolytic. . . .   | 3198 025 54770 | 2612 | 22pF., 50V, Ceramic. . . . .             | 3198 | 016 | 02290 |
| 2211         | 0.47uF., 16V, Ceramic . . . . .          | 3198 017 24740 | 2613 | 22pF., 50V, Ceramic. . . . .             | 3198 | 016 | 02290 |
| 2216         | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 025 31010 | 2615 | 1000pF., 50V, Ceramic. . . . .           | 3198 | 016 | 01020 |
| 2217         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2618 | 0.01uF., 50V, Ceramic. . . . .           | 3198 | 017 | 01030 |
| 2219         | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 | 2619 | 1uF., 16V, Ceramic. . . . .              | 3198 | 017 | 21050 |
| 2226         | 4700pF., 50V, Ceramic. . . . .           | 3198 017 04720 | 2691 | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 | 025 | 31010 |
| 2227         | 4700pF., 50V, Ceramic. . . . .           | 3198 017 04720 | 2902 | 220uF., 20%, 50V, Electrolytic . . . .   | 3198 | 026 | 52210 |
| 2228         | 820pF., 50V, Ceramic . . . . .           | 3198 016 08210 | 2903 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 51080 |
| 2229         | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 025 51090 | 2904 | 1uF., 16V, Ceramic. . . . .              | 3198 | 017 | 21050 |
| 2233         | 820pF., 50V, Ceramic . . . . .           | 3198 016 08210 | 2905 | 1000pF., 50V, Ceramic. . . . .           | 3198 | 016 | 01020 |
| 2241         | 4700pF., 50V, Ceramic. . . . .           | 3198 017 04720 | 2908 | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 | 025 | 51090 |
| 2242         | 1uF., 16V, Ceramic. . . . .              | 3198 017 21050 | 2941 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 | 025 | 51080 |
| 2243         | 2200pF., 50V, Ceramic. . . . .           | 3198 017 02220 | 2942 | 0.033uF., 50V, Ceramic . . . . .         | 3198 | 017 | 03330 |
| 2244         | 0.1uF., 10%, 63V, Metalized Polyester.   | 2222 370 75104 | 2943 | 0.1uF., 16V, Ceramic . . . . .           | 3198 | 017 | 01040 |
| 2245         | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 | 2944 | 0.047uF., 50V, Ceramic. . . . .          | 3198 | 017 | 24730 |
| 2246         | 4.7uF., 20%, 50V, Electrolytic . . . .   | 3198 025 54780 | 2945 | 0.01uF., 50V, Ceramic. . . . .           | 3198 | 017 | 01030 |
| 2247         | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 025 31010 | 2946 | 1uF., 16V, Ceramic. . . . .              | 3198 | 017 | 21050 |
| 2248         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2981 | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 | 025 | 31010 |
| 2249         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2982 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 2250         | 2.2uF., 20%, 50V, Electrolytic . . . .   | 3198 025 52280 | 2983 | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 | 025 | 31010 |
| 2252         | 1000pF., 50V, Ceramic . . . . .          | 3198 016 01020 | 2984 | 470pF., 50V, Ceramic . . . . .           | 3198 | 016 | 04710 |
| 2253         | 1000pF., 50V, Ceramic . . . . .          | 3198 016 01020 | 3000 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2254         | 100pF., 50V, Ceramic . . . . .           | 3198 016 01010 | 3001 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2313         | 270pF., 50V, Ceramic . . . . .           | 3198 016 02710 | 3002 | Zero ohm "Chip" Jumper . . . . .         | 3198 | 021 | 90020 |
| 2323         | 390pF., 50V, Ceramic . . . . .           | 3198 016 03910 | 3003 | 1.5k, 5% . . . . .                       | 3198 | 021 | 51520 |
| 2331         | 390pF., 50V, Ceramic . . . . .           | 3198 016 03910 | 3004 | 8.2k, 5% . . . . .                       | 3198 | 021 | 58220 |
| 2341         | 2200pF., 1kV, 10%, Ceramic . . . . .     | 2020 558 90571 | 3005 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2342         | 0.047uF., 10%, 250V Metalized Polyester  | 2222 365 45473 | 3181 | 75 ohm, 5%, 1/6W Carbon. . . . .         | 3198 | 011 | 07590 |
| 2343         | 0.047uF., 10%, 250V Metalized Polyester  | 2222 365 45473 | 3182 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2401         | 680pF., 50V, Ceramic. . . . .            | 3198 019 16810 | 3183 | 150 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01510 |
| 2402         | 0.56uF., 5%, 250V, Metalized Polypropyl  |                | 3184 | 47k, 5%. . . . .                         | 3198 | 021 | 54730 |
|              | ene. . . . .                             | 2022 333 00088 | 3200 | 390 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 03910 |
| 2406         | 330pF., 50V, Ceramic . . . . .           | 3198 016 03310 | 3201 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2407         | 0.0082uF., 5%, 1.6kV, Metalized Polypro  |                | 3202 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
|              | pylene . . . . .                         | 2020 301 90247 | 3203 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2408         | 0.022uF., 50V, Ceramic . . . . .         | 3198 019 22230 | 3204 | 10k, 5%, 1/6W Carbon . . . . .           | 3198 | 011 | 01030 |
| 2409         | 47uF., 20%, 160V, Electrolytic . . . .   | 2020 021 91139 | 3206 | 100k, 5% . . . . .                       | 3198 | 021 | 51040 |
| 2410         | 470uF., 20%, 16V, Electrolytic . . . .   | 2020 021 91577 | 3207 | 1k, 5%, 1/6W Carbon. . . . .             | 3198 | 011 | 01020 |
| 2411         | 47uF., 20%, 25V, Electrolytic. . . . .   | 2020 021 90586 | 3208 | 220 ohm, 5%. . . . .                     | 3198 | 021 | 52210 |
| 2412         | 0.033uF., 10%, 100V, Metalized Polyester | 2222 347 90236 | 3209 | 68 ohm, 5% . . . . .                     | 3198 | 021 | 56890 |
| 2413         | 10uF., 20%, 250V, Electrolytic . . . .   | 2020 012 93495 | 3212 | 470 ohm, 5%. . . . .                     | 3198 | 021 | 54710 |
| 2414         | 1000uF., 20%, 16V, Electrolytic. . . .   | 2020 021 91049 | 3213 | 560 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 05610 |
| 2416         | 470pF., 2kV, 10%, Ceramic. . . . .       | 2020 558 90483 | 3217 | 330k, 5% . . . . .                       | 3198 | 021 | 53340 |
| 2417         | 1000uF., 20%, 16V, Electrolytic. . . .   | 2020 021 91049 | 3218 | 82k, 5%. . . . .                         | 3198 | 021 | 58230 |
| 2418         | 0.01uF., 50V, Ceramic . . . . .          | 3198 017 01030 | 3219 | 2.2k, 5%. . . . .                        | 3198 | 021 | 52220 |
| 2419         | 1uF., 20%, 50V, Electrolytic . . . . .   | 2020 021 91147 | 3226 | 560 ohm, 5%. . . . .                     | 3198 | 021 | 55610 |
| 2420         | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 025 51080 | 3232 | 2.2k, 5% . . . . .                       | 3198 | 021 | 52220 |
| 2421         | 0.047uF., 50V, Ceramic. . . . .          | 3198 017 24730 | 3235 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 | 011 | 01010 |
| 2422         | 470uF., 20%, 16V, Electrolytic . . . .   | 2020 021 91577 | 3241 | 22k, 5%. . . . .                         | 3198 | 021 | 52230 |
|              |  |                | 3242 | 27k, 5%. . . . .                         | 3198 | 021 | 52730 |



# PC0119C125 (continued)

|      |  |                |      |  |                |
|------|--|----------------|------|--|----------------|
| 3244 | 820 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 08210 | 3531 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3245 | 39k, 5%. . . . .   | 3198 021 53930 | 3541 | 470 ohm, 5%. . . . .                       | 3198 021 54710 |
| 3246 | 10k, 5%. . . . .   | 3198 021 51030 | 3542 | 1.5k, 5%. . . . .                          | 3198 021 51520 |
| 3247 | 220k, 5%. . . . .  | 3198 021 52240 | 3543 | 82k, 1%, Metal Film. . . . .               | 2322 156 28203 |
| 3248 | 27k, 5%. . . . .   | 3198 021 52730 | 3544 | 6.8k, 1%, Metal Film . . . . .             | 2322 156 26802 |
| 3249 | 820 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 08210 | 3545 | 82k, 5%. . . . .                           | 3198 021 58230 |
| 3251 | 100 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01010 | 3546 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3254 | 1M, 5%. . . . .  | 3198 021 51050 | 3547 | 0.33 ohm, 5%, 1W, Power Resistor . . . . . | 3198 012 13370 |
| 3256 | 1k, 5%. . . . .  | 3198 021 51020 | 3548 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3257 | 10Meg, 5%. . . . .   | 3198 021 51060 | 3549 | 470 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 04710 |
| 3258 | 330k, 5%. . . . .  | 3198 021 53340 | 3552 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3259 | 470k, 5%. . . . .  | 3198 021 54740 | 3559 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3311 | 3.9k, 5%. . . . .  | 3198 021 53920 | 3561 | 220 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 02210 |
| 3312 | 330 ohm, 5%. . . . .   | 3198 021 53310 | 3562 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3313 | 10 ohm, 5%. . . . .  | 3198 021 51090 | 3563 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3314 | 18k, 5%, Metal Film. . . . .                                     | 2322 195 63183 | 3564 | 4.7 ohm, 5%, 2W, Power Resistor. . . . .   | 3198 012 24780 |
| 3316 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3565 | 330 ohm, 5%, 1W, Power Resistor. . . . .   | 3198 012 13310 |
| 3317 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3566 | 2.2k, 5%. . . . .                          | 3198 021 52220 |
| 3321 | 3.9k, 5%. . . . .  | 3198 021 53920 | 3569 | 5.6k, 5%. . . . .                          | 3198 021 55620 |
| 3322 | 330 ohm, 5%. . . . .   | 3198 021 53310 | 3580 | 47k, 5%. . . . .                           | 3198 021 54730 |
| 3323 | 10 ohm, 5%. . . . .  | 3198 021 51090 | 3603 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3324 | 18k, 5%, Metal Film. . . . .                                     | 2322 195 63183 | 3604 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3326 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3605 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3327 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3606 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3331 | 3.9k, 5%. . . . .  | 3198 021 53920 | 3607 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3332 | 330 ohm, 5%. . . . .   | 3198 021 53310 | 3608 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3333 | 10 ohm, 5%. . . . .  | 3198 021 51090 | 3611 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3334 | 18k, 5%, Metal Film. . . . .                                     | 2322 195 63183 | 3614 | 4.7k, 5%, 1/6W Carbon. . . . .             | 3198 011 04720 |
| 3336 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3615 | 10k, 5%, 1/6W Carbon . . . . .             | 3198 011 01030 |
| 3337 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3617 | 4.7k, 5%, 1/6W Carbon. . . . .             | 3198 011 04720 |
| 3341 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3618 | 6.8k, 5%, 1/6W Carbon. . . . .             | 3198 011 06820 |
| 3347 | 220 ohm, 5% Fusible Resistor NFR25 . . . . .                     | 2306 204 03221 | 3619 | 8.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 08220 |
| 3348 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3622 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3349 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                     | 2306 204 03158 | 3623 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3350 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                     | 2306 204 03158 | 3624 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3401 | 330k, 5%. . . . .  | 2322 242 13334 | 3625 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3402 | 18k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01830 | 3626 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3403 | 22 ohm, 5%, 3W, Power Resistor . . . . .                         | 3198 012 32290 | 3627 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3404 | 6.8 ohm, 5%, Fusible Resistor NFR25. . . . .                     | 2306 204 03688 | 3628 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3406 | 10k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01030 | 3630 | 2.2k, 5%. . . . .                          | 3198 021 52220 |
| 3407 | 220 ohm, 5%, 3W, Power Resistor. . . . .                         | 3198 012 32210 | 3632 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3408 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 3636 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3410 | 33k, 5%. . . . .   | 3198 021 53330 | 3681 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3411 | 10 ohm, 5% Fusible Resistor NFR25. . . . .                       | 2306 204 03109 | 3682 | 3.3k, 5%. . . . .                          | 3198 021 53320 |
| 3412 | 3.3k, 1%, Metal Film . . . . .                                   | 2322 156 23302 | 3683 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3413 | 10k, 5%. . . . .   | 3198 021 51030 | 3684 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3414 | 1.5k, 1%, Metal Film . . . . .                                   | 2322 156 21502 | 3685 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3415 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 3686 | 1.5k, 5%. . . . .                          | 3198 021 51520 |
| 3416 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3691 | 330 ohm, 5%. . . . .                       | 3198 021 53310 |
| 3417 | 33k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 03330 | 3693 | 220 ohm, 5%. . . . .                       | 3198 021 52210 |
| 3418 | 33k, 5%. . . . .   | 3198 021 53330 | 3694 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3419 | 6.8k, 5%. . . . .  | 3198 021 56820 | 3901 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3420 | 33k, 5%. . . . .   | 3198 021 53330 | 3902 | 3.3k, 5%. . . . .                          | 3198 021 53320 |
| 3421 | 6.8 ohm, 5%, 2W, Power Resistor. . . . .                         | 3198 012 26880 | 3903 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3422 | 100 ohm, 5%. . . . .   | 3198 021 51010 | 3904 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3423 | 820 ohm, 5%. . . . .   | 3198 021 58210 | 3907 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3424 | 100 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01010 | 3941 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3425 | 15k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01530 | 3942 | 3.9k, 5%. . . . .                          | 3198 021 53920 |
| 3426 | 1M, 5%. . . . .  | 3198 021 51050 | 3943 | 2.7k, 5%. . . . .                          | 3198 021 52720 |
| 3427 | 12k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01230 | 3944 | 2.7k, 5%. . . . .                          | 3198 021 52720 |
| 3428 | 39 ohm, 5% Fusible Resistor NFR25H . . . . .                     | 2306 207 03399 | 3945 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3431 | 3.3k, 5%. . . . .  | 3198 021 53320 | 3946 | 18k, 5%. . . . .                           | 3198 021 51830 |
| 3432 | 22 ohm, 5%, 1/6W Carbon. . . . .                                 | 3198 011 02290 | 3947 | 330 ohm, 5%. . . . .                       | 3198 021 53310 |
| 3471 | 6.8 ohm, 1%, Metal Film. . . . .                                 | 2322 156 26808 | 3948 | 47k, 5%. . . . .                           | 3198 021 54730 |
| 3472 | 3.9 ohm, 1%, Metal Film. . . . .                                 | 2322 156 23908 | 3949 | 15k, 5%. . . . .                           | 3198 021 51530 |
| 3473 | 2.2k, 1%, Metal Film . . . . .                                   | 2322 156 22202 | 3950 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3474 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 3951 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3475 | 2.2k, 1%, Metal Film . . . . .                                   | 2322 156 22202 | 3981 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3476 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                     | 2306 204 03158 | 3982 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3477 | 220 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02210 | 4001 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3478 | 220 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02210 | 4002 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3479 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 4181 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3500 | 3.3Meg, 5%. . . . .  | 2322 242 13335 | 4212 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3501 | 3.3Meg, 5%. . . . .  | 2322 242 13335 | 4216 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3502 | 4.7 ohm, 20%, 3.1W, Negative Temperature<br>Coefficient. . . . . | 2122 612 00055 | 4217 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3503 | 10 ohm, 30%, 120V, Positive Temperature<br>Coefficient. . . . .  | 2120 661 00026 | 4410 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3506 | Jumper Wire. . . . .   | 0322 179 00003 | 4501 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3507 | Surge Protector DSP-301N-A21F. . . . .                           | 2422 549 43073 | 4613 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3519 | 270 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02710 | 4614 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3520 | 1.2k, 5%. . . . .  | 3198 021 51220 | 4615 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3521 | 4.7 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 04780 | 4616 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3522 | 330k, 5%. . . . .  | 3198 021 53340 | 4617 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3523 | 100 ohm, 5%, Fusible Resistor NFR25 . . . . .                    | 2306 204 03101 | 4618 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3524 | 56k, 5%. . . . .   | 3198 021 55630 | 4619 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3525 | 1k, 5%. . . . .  | 3198 021 51020 | 4622 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3526 | 0.15 ohm, 5%, 1W, Power Resistor . . . . .                       | 3198 012 11570 | 4623 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3527 | 2.2k ohm, 5%, Fusible Resistor NFR25 . . . . .                   | 2306 204 03222 | 4691 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3528 | 10k, 5%. . . . .   | 3198 021 51030 | 4692 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3529 | 47k, 5%. . . . .   | 3198 021 54730 | 4693 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3530 | 4.7k, 5%. . . . .  | 3198 021 54720 | 4807 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |  |                | 4811 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |  |                | 4812 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |

S = Safety Part Be sure to use exact replacement part.

## PC0119C125 (continued)

|      |  |                |      |                                    |                |
|------|--|----------------|------|------------------------------------|----------------|
| 4813 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7405 | Transistor BC857B . . . . .        | 3198 010 42150 |
| 4814 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7406 | Transistor BC857B . . . . .        | 3198 010 42150 |
| 4901 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7407 | Power Transistor BD135-16. . . . . | 3198 020 41190 |
| 4911 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7408 | Power Transistor BD135-17. . . . . | 3198 020 41190 |
| 4982 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7409 | Transistor BC857B . . . . .        | 3198 010 42150 |
| 5001 | Fixed Inductor, 5.6uH, 10% . . . . .             | 3198 018 25680 | 7471 | IC, TDA9302H . . . . .             | 9322 088 25682 |
| 5002 | Fixed Inductor, 0.82uH, 10% . . . . .            | 3198 018 18270 | 7515 | Opto-Coupler, TCET1103(G). . . . . | 9322 140 14667 |
| 5201 | Fixed Inductor, 6.8uH, 5% . . . . .              | 3198 018 16880 | 7520 | IC, TEA1507P/N1. . . . .           | 9352 673 56112 |
| 5202 | Fixed Inductor, 10uH, 10% . . . . .              | 3198 018 21090 | 7521 | Power FET, STP5NC50FP. . . . .     | 9322 160 71687 |
| 5241 | Fixed Inductor, 10uH, 10% . . . . .              | 3198 018 21090 | 7522 | Transistor BC847B . . . . .        | 3198 010 42030 |
| 5242 | Fixed Inductor, 10uH, 5% . . . . .               | 3198 018 11090 | 7540 | Transistor BC547B. . . . .         | 3198 020 40030 |
| 5341 | Fixed Inductor, 12uH, 5% SPT0508 . . . . .       | 2422 535 95598 | 7541 | Transistor PDTO114ET. . . . .      | 9340 310 10215 |
| 5342 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 7542 | Transistor BC857B . . . . .        | 3198 010 42150 |
| 5403 | Fixed Inductor, 27uH, 10%, LHL08 . . . . .       | 2422 535 94888 | 7560 | IC, L78L33ACZ. . . . .             | 9322 134 92676 |
| 5408 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7561 | Transistor PDTO143ZT. . . . .      | 9340 547 00215 |
| 5410 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7602 | IC M24C16-WBN6 . . . . .           | 9322 147 25682 |
| 5444 | Signal Driver Transformer SC10009-03. . . . .    | 2422 531 02446 | 7902 | IC, AN7523N. . . . .               | 9322 158 66667 |
| 5445 | LOT Transformer MSLOT4 . . . . .                 | 3128 138 21541 | 7941 | Transistor BC847B . . . . .        | 3198 010 42030 |
| 5502 | AC Filter. . . . .                               | 2422 549 44284 | 7942 | Transistor BC847B . . . . .        | 3198 010 42030 |
| 5520 | Transformer SS28011-04. . . . .                  | 2422 531 02458 | 7943 | Transistor BC847B . . . . .        | 3198 010 42030 |
| 5521 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9181 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5560 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9503 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5561 | Fixed Inductor, 27uH, 10% . . . . .              | 3198 018 22790 | 9692 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5562 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9696 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5563 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9814 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5602 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9820 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5603 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9821 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5604 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9822 | Jumper Wire. . . . .               | 0322 179 00003 |
| 5833 | Jumper Wire. . . . .                             | 0322 179 00003 | 9824 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6001 | Diode Regulator, BZX79-C33 (33Volt). . . . .     | 3198 010 23390 | 9825 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6201 | Diode, BAV21 . . . . .                           | 3198 010 10630 | 9825 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6202 | Diode, BAS316 . . . . .                          | 3198 010 10630 | 9826 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6206 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 | 9827 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6241 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 | 9828 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6311 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9829 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6321 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9830 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6331 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9832 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6341 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9833 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6342 | Diode, 1N4148. . . . .                           | 3198 010 10010 | 9982 | Jumper Wire. . . . .               | 0322 179 00003 |
| 6343 | Diode Regulator, BZX384-C8V2 (8.2Volt) . . . . . | 3198 020 58280 | CBA  | Main Chassis . . . . .             | 3139 178 85481 |
| 6401 | Diode, BAV21 . . . . .                           | 3198 010 10070 |      |                                    |                |
| 6402 | Diode Rectifier, BYV27-200 . . . . .             | 9322 126 72673 |      |                                    |                |
| 6404 | Diode Rectifier, BYD33D. . . . .                 | 9337 410 30133 |      |                                    |                |
| 6405 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6406 | Diode, BAV70. . . . .                            | 9331 849 10215 |      |                                    |                |
| 6407 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6408 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6409 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6410 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6413 | Diode, 1N4148. . . . .                           | 3198 010 10010 |      |                                    |                |
| 6414 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 |      |                                    |                |
| 6415 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6419 | Diode Regulator, BZX79-C5V6 (5.6Volt). . . . .   | 3198 010 25680 |      |                                    |                |
| 6420 | Diode Regulator, BZX79-C9V1 (9.1Volt). . . . .   | 9331 177 80133 |      |                                    |                |
| 6423 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6471 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6500 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |                                    |                |
| 6501 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |                                    |                |
| 6502 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |                                    |                |
| 6503 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 |      |                                    |                |
| 6520 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 |      |                                    |                |
| 6523 | Diode, 1N4148. . . . .                           | 3198 010 10010 |      |                                    |                |
| 6540 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 |      |                                    |                |
| 6541 | Diode Regulator, BZX79-C10 (10Volt). . . . .     | 3198 010 21090 |      |                                    |                |
| 6560 | Diode Rectifier, BYW76-RAS15/10. . . . .         | 9322 127 32682 |      |                                    |                |
| 6562 | Diode Rectifier, EGP20DL-5100. . . . .           | 9322 164 42682 |      |                                    |                |
| 6563 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6565 | Diode, BAV70. . . . .                            | 9331 849 10215 |      |                                    |                |
| 6566 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6569 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 6570 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 |      |                                    |                |
| 6681 | Diode, BAT85 . . . . .                           | 9336 247 60133 |      |                                    |                |
| 6691 | LED, VS LTL-10224WHCR. . . . .                   | 9322 050 99682 |      |                                    |                |
| 6692 | IR Receiver, TSOP1836UH3V. . . . .               | 9322 127 54667 |      |                                    |                |
| 6901 | Diode, BAS316 . . . . .                          | 3198 010 10630 |      |                                    |                |
| 7200 | IC, 2US1 Software Cluster. . . . .               | 9352 699 88557 |      |                                    |                |
| 7201 | Transistor BC847B . . . . .                      | 3198 010 42030 |      |                                    |                |
| 7204 | Transistor BC857B . . . . .                      | 3198 010 42150 |      |                                    |                |
| 7241 | Transistor PDTA114ET. . . . .                    | 3198 010 44010 |      |                                    |                |
| 7311 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7312 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7313 | Transistor BF423 . . . . .                       | 3198 020 43020 |      |                                    |                |
| 7321 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7322 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7323 | Transistor BF423 . . . . .                       | 3198 020 43020 |      |                                    |                |
| 7331 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7332 | Transistor BF422 . . . . .                       | 3198 020 43010 |      |                                    |                |
| 7333 | Transistor BF423 . . . . .                       | 3198 020 43020 |      |                                    |                |
| 7401 | Transistor PDTO143ZT. . . . .                    | 9340 547 00215 |      |                                    |                |
| 7402 | Power Transistor BUT11APX-1200 . . . . .         | 9340 563 21127 |      |                                    |                |
| 7403 | Transistor BC337-25. . . . .                     | 3198 020 43530 |      |                                    |                |
| 7404 | Transistor BC636 . . . . .                       | 9332 219 50126 |      |                                    |                |

S = Safety Part Be sure to use exact replacement part.

## Model 14LW102/221 Cabinet Parts

| Model 14LW102/221 Cabinet Parts |  |                |  |  |
|---------------------------------|--|----------------|--|--|
| S AC01                          | AC Power Cord. . . . .                   | 3135 010 07291 |  |  |
| AC03                            | Cabinet Back . . . . .                   | 3139 137 90291 |  |  |
| AC04                            | Cabinet Front. . . . .                   | 3139 137 82911 |  |  |
| AC05                            | Chassis Guide. . . . .                   | 3139 124 34091 |  |  |
| AC06                            | Control Buttons. . . . .                 | 3139 137 79211 |  |  |
| S AC08                          | CRT A34EJM34X113 . . . . .               | 9301 815 60361 |  |  |
| S AC09                          | Degaussing Coil. . . . .                 | 2422 549 44427 |  |  |
| AC10                            | Degaussing Coil Holder (2 used). . . . . | 3135 013 01641 |  |  |
| AC11                            | Light Guide. . . . .                     | 3139 124 35851 |  |  |
| AC13                            | Owner's Manual . . . . .                 | 3121 235 20161 |  |  |
| AC14                            | Power Button . . . . .                   | 3139 137 79201 |  |  |
| REMOTE                          | Remote Transmitter . . . . .             | 3139 228 87541 |  |  |
| AC16                            | Speaker, 8W, 16 ohm. . . . .             | 2422 264 00407 |  |  |
| S AC18                          | Deflection Yoke. . . . .                 | 3306 133 24671 |  |  |
| AC21                            | Batteries f Remote Transmitter . . . . . | 9299 000 65263 |  |  |
| AC24                            | Degaussing Coil Spring . . . . .         | 3139 121 26231 |  |  |
| AC32                            | Assembly Braid . . . . .                 | 3135 010 07331 |  |  |
| AC33                            | Cabinet Door . . . . .                   | 3139 137 82951 |  |  |

# PL0119C125 - Manual no. 7602

## Main Chassis

| Main Chassis |  |                |      |  |                |
|--------------|--|----------------|------|--|----------------|
| 0127         | 2 Pin Fuse Socket. . . . .               | 3122 358 71251 | 2423 | 10uF., 20%, 100V, Electrolytic . . . .   | 2020 021 90813 |
| 0138         | IC-SPRING FOR ITEM 7471 (IC TDA9302H)..  | 3104 301 22081 | 2471 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 014 01040 |
| 0139         | IC-SPRING 7402 . . . . .                 | 3139 121 24581 | 2472 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 014 01040 |
| 0211         | 2 Pin Connector (AC Input Plug).. . . .  | 2422 025 16269 | 2473 | 100uF., 20%, 50V, Electrolytic . . . .   | 2020 021 90587 |
| 0212         | 2 Pin Connector (Degaussing Plug (RED))  | 2422 025 16375 | 2475 | 470pF., 50V, Ceramic . . . . .           | 3198 016 04710 |
| 0217         | 3 Pin Connector. . . . .                 | 2412 020 00725 | 2476 | 0.22uF., 10%, 50V, Metalized Polyester   | 3198 014 02240 |
| 0218         | 2 Pin Connector. . . . .                 | 2422 026 04637 | 2477 | 470pF., 50V, Ceramic . . . . .           | 3198 016 04710 |
| 0220         | 3 Pin Connector. . . . .                 | 2422 025 04851 | 2500 | 0.47uF., 20%, 275V, Metalized Polypropyl |                |
| 0221         | 6 Pin Connector. . . . .                 | 2422 025 15503 |      | ene. . . . .                             | 2022 330 00018 |
| 0222         | 2 Pin Connector. . . . .                 | 2422 025 10646 | 2501 | 2200pF., 1kV, Ceramic. . . . .           | 3198 019 52220 |
| 0232         | Headphone Jack . . . . .                 | 2422 026 04747 | 2502 | 2200pF., 1kV, Ceramic. . . . .           | 3198 019 52220 |
| 0243         | 6 Pin Connector. . . . .                 | 2422 025 04854 | 2503 | 220uF., 20%, 200V, Electrolytic . . . .  | 2020 024 90557 |
| 0244         | 3 Pin Connector. . . . .                 | 2422 025 04851 | 2504 | 2200pF., 1kV, Ceramic. . . . .           | 3198 019 52220 |
| 0245         | 6 Pin Connector. . . . .                 | 2422 025 04854 | 2505 | 2200pF., 1kV, Ceramic. . . . .           | 3198 019 52220 |
| 0246         | 3 Pin Connector. . . . .                 | 2412 020 00725 | 2506 | 2200pF., 1kV, Ceramic. . . . .           | 3198 019 52220 |
| 0254         | 9 Pin CRT Socket (M-NECK). . . . .       | 2422 500 80068 | 2508 | 470pF., 1kV, 10%, Ceramic. . . . .       | 3198 019 64710 |
| 1000         | Tuner V+U PLL F ENV56D98G3 . . . . .     | 2422 542 90108 | 2515 | 1500pF., 250V, 20%, Ceramic. . . . .     | 2020 554 90172 |
| 1002         | 45.75 MHz Saw Filter F072TPL-A . . . .   | 2422 549 44327 | 2520 | 0.1uF., 16V, Ceramic . . . . .           | 3198 017 01040 |
| 1200         | 4.5MHz Ceramic Filter, TPS*MB. . . . .   | 2422 549 40807 | 2521 | 22uF., 20%, 50V, Electrolytic. . . . .   | 3198 025 52290 |
| 1500         | 5 Amp, 250V, Fuse (5X20) . . . . .       | 2422 086 10905 | 2522 | 0.1uF., 16V, Ceramic . . . . .           | 3198 017 01040 |
| 1600         | Tact Switch. . . . .                     | 2422 128 02742 | 2523 | 1500pF., 2kV, 10%, Ceramic . . . . .     | 2020 558 90489 |
| 1601         | Tact Switch. . . . .                     | 2422 128 02742 | 2525 | 470pF, 50V, Ceramic. . . . .             | 3198 017 04710 |
| 1602         | Tact Switch. . . . .                     | 2422 128 02742 | 2526 | 0.001uF., 50V, Ceramic . . . . .         | 3198 017 01020 |
| 1603         | Tact Switch. . . . .                     | 2422 128 02742 | 2527 | 470pF, 50V, Ceramic. . . . .             | 3198 017 04710 |
| 1606         | Tact Switch. . . . .                     | 2422 128 02742 | 2540 | 0.015uF., 50V, Ceramic . . . . .         | 3198 017 01530 |
| 1660         | 12MHz, Crystal Resonator, HC49/U A . .   | 2422 543 01203 | 2560 | 1000pF., 1kV, 10%, Ceramic . . . . .     | 3198 019 61020 |
| 2004         | 0.047uF., 25V, Ceramic . . . . .         | 3198 023 04730 | 2561 | 47uF., 20%, 160V, Electrolytic . . . .   | 2020 021 91358 |
| 2005         | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 025 51090 | 2562 | 1000pF, 50V, Ceramic . . . . .           | 3198 019 11020 |
| 2006         | 470uF., 20%, 16V, Electrolytic . . . .   | 3198 025 24710 | 2563 | 0.1uF., 10%, 50V, Metalized Polyester.   | 3198 014 01040 |
| 2007         | 0.1uF, 25V, Ceramic. . . . .             | 3198 023 21040 | 2564 | 2200uF., 20%, 16V, Electrolytic. . . .   | 2020 012 93057 |
| 2008         | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 025 31010 | 2565 | 470pF., 1kV, 10%, Ceramic. . . . .       | 3198 019 64710 |
| 2009         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2567 | 47uF., 20%, 25V, Electrolytic. . . . .   | 3198 025 34790 |
| 2181         | 22pF., 50V, Ceramic. . . . .             | 3198 016 02290 | 2568 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 025 51080 |
| 2182         | 330pF., 50V, Ceramic . . . . .           | 3198 016 03310 | 2569 | 470pF, 50V, Ceramic. . . . .             | 3198 017 04710 |
| 2184         | 2.2uF., 10V, Ceramic . . . . .           | 3198 017 22250 | 2580 | 47uF., 20%, 25V, Electrolytic. . . . .   | 3198 025 34790 |
| 2202         | 0.1uF, 25V, Ceramic. . . . .             | 3198 023 21040 | 2601 | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 |
| 2203         | 0.1uF, 25V, Ceramic. . . . .             | 3198 023 21040 | 2602 | 100pF., 50V, Ceramic . . . . .           | 3198 016 01010 |
| 2204         | 0.1uF, 25V, Ceramic. . . . .             | 3198 023 21040 | 2606 | 1000pF., 50V, Ceramic. . . . .           | 3198 016 01020 |
| 2205         | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 | 2607 | 33pF., 50V, Ceramic. . . . .             | 3198 016 03390 |
| 2208         | 0.1uF, 25V, Ceramic. . . . .             | 3198 023 21040 | 2608 | 0.1uF, 25V, Ceramic. . . . .             | 3198 023 21040 |
| 2209         | 4.7uF., 20%, 50V, Electrolytic . . . .   | 3198 025 54780 | 2609 | 33pF., 50V, Ceramic. . . . .             | 3198 016 03390 |
| 2210         | 0.47uF., 20%, 50V, Electrolytic. . . .   | 3198 025 54770 | 2611 | 0.1uF, 25V, Ceramic. . . . .             | 3198 023 21040 |
| 2211         | 0.47uF, 16V, Ceramic . . . . .           | 3198 017 24740 | 2612 | 22pF., 50V, Ceramic. . . . .             | 3198 016 02290 |
| 2216         | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 025 31010 | 2613 | 22pF., 50V, Ceramic. . . . .             | 3198 016 02290 |
| 2217         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2615 | 1000pF., 50V, Ceramic. . . . .           | 3198 016 01020 |
| 2219         | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 | 2618 | 0.01uF., 50V, Ceramic. . . . .           | 3198 017 01030 |
| 2226         | 4700pF., 50V, Ceramic. . . . .           | 3198 017 04720 | 2619 | 1uF., 16V, Ceramic. . . . .              | 3198 017 21050 |
| 2227         | 4700pF., 50V, Ceramic. . . . .           | 3198 017 04720 | 2691 | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 025 31010 |
| 2228         | 820pF, 50V, Ceramic . . . . .            | 3198 016 08210 | 2902 | 220uF., 20%, 50V, Electrolytic . . . .   | 3198 026 52210 |
| 2229         | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 025 51090 | 2903 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 025 51080 |
| 2233         | 820pF., 50V, Ceramic . . . . .           | 3198 016 08210 | 2904 | 1uF., 16V, Ceramic. . . . .              | 3198 017 21050 |
| 2241         | 4700pF., 50V, Ceramic. . . . .           | 3198 017 04720 | 2905 | 1000pF., 50V, Ceramic. . . . .           | 3198 016 01020 |
| 2242         | 1uF., 16V, Ceramic. . . . .              | 3198 017 21050 | 2908 | 10uF., 20%, 50V, Electrolytic. . . . .   | 3198 025 51090 |
| 2243         | 2200pF., 50V, Ceramic. . . . .           | 3198 017 02220 | 2941 | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 025 51080 |
| 2244         | 0.1uF., 10%, 63V, Metalized Polyester.   | 2222 370 75104 | 2942 | 0.033uF., 50V, Ceramic . . . . .         | 3198 017 03330 |
| 2245         | 0.22uF., 25V, Ceramic. . . . .           | 3198 023 22240 | 2943 | 0.1uF., 16V, Ceramic . . . . .           | 3198 017 01040 |
| 2246         | 4.7uF., 20%, 50V, Electrolytic . . . .   | 3198 025 54780 | 2944 | 0.047uF, 50V, Ceramic. . . . .           | 3198 017 24730 |
| 2247         | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 025 31010 | 2945 | 0.01uF., 50V, Ceramic. . . . .           | 3198 017 01030 |
| 2248         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2946 | 1uF., 16V, Ceramic. . . . .              | 3198 017 21050 |
| 2249         | 0.022uF., 50V, Ceramic . . . . .         | 3198 017 02230 | 2981 | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 025 31010 |
| 2250         | 2.2uF., 20%, 50V, Electrolytic . . . .   | 3198 025 52280 | 2982 | 470pF., 50V, Ceramic . . . . .           | 3198 016 04710 |
| 2252         | 1000pF., 50V, Ceramic. . . . .           | 3198 016 01020 | 2983 | 100uF., 20%, 25V, Electrolytic . . . .   | 3198 025 31010 |
| 2253         | 1000pF., 50V, Ceramic. . . . .           | 3198 016 01020 | 2984 | 470pF., 50V, Ceramic . . . . .           | 3198 016 04710 |
| 2254         | 100pF., 50V, Ceramic . . . . .           | 3198 016 01010 | 3000 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 011 01010 |
| 2313         | 270pF., 50V, Ceramic . . . . .           | 3198 016 02710 | 3001 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 011 01010 |
| 2323         | 390pF., 50V, Ceramic . . . . .           | 3198 016 03910 | 3002 | Zero ohm "Chip" Jumper . . . . .         | 3198 021 90020 |
| 2331         | 390pF., 50V, Ceramic . . . . .           | 3198 016 03910 | 3003 | 1.5k, 5% . . . . .                       | 3198 021 51520 |
| 2341         | 2200pF., 1kV, 10%, Ceramic . . . . .     | 2020 558 90571 | 3004 | 8.2k, 5% . . . . .                       | 3198 021 58220 |
| 2342         | 0.047uF, 10%, 250V Metalized Polyester   | 2222 365 45473 | 3005 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 011 01010 |
| 2343         | 0.047uF, 10%, 250V Metalized Polyester   | 2222 365 45473 | 3181 | 75 ohm, 5%, 1/6W Carbon. . . . .         | 3198 011 07590 |
| 2401         | 680pF, 50V, Ceramic. . . . .             | 3198 019 16810 | 3182 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 011 01010 |
| 2402         | 0.56uF., 5%, 250V, Metalized Polypropyl  |                | 3183 | 150 ohm, 5%, 1/6W Carbon . . . . .       | 3198 011 01510 |
|              | ene. . . . .                             | 2022 333 00088 | 3184 | 47k, 5%. . . . .                         | 3198 021 54730 |
| 2406         | 330pF., 50V, Ceramic . . . . .           | 3198 016 03310 | 3200 | 390 ohm, 5%, 1/6W Carbon . . . . .       | 3198 011 03910 |
| 2407         | 0.0082uF., 5%, 1.6kV, Metalized Polypro  |                | 3201 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 011 01010 |
|              | pylene . . . . .                         | 2020 301 90247 | 3202 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 011 01010 |
| 2408         | 0.022uF., 50V, Ceramic . . . . .         | 3198 019 22230 | 3203 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 011 01010 |
| 2409         | 47uF., 20%, 160V, Electrolytic . . . .   | 2020 021 91139 | 3204 | 10k, 5%, 1/6W Carbon . . . . .           | 3198 011 01030 |
| 2410         | 470uF., 20%, 16V, Electrolytic . . . .   | 2020 021 91577 | 3206 | 100k, 5% . . . . .                       | 3198 021 51040 |
| 2411         | 47uF., 20%, 25V, Electrolytic. . . . .   | 2020 021 90586 | 3207 | 1k, 5%, 1/6W Carbon. . . . .             | 3198 011 01020 |
| 2412         | 0.033uF., 10%, 100V, Metalized Polyester | 2222 347 90236 | 3208 | 220 ohm, 5%. . . . .                     | 3198 021 52210 |
| 2413         | 10uF., 20%, 250V, Electrolytic . . . .   | 2020 012 93495 | 3209 | 68 ohm, 5% . . . . .                     | 3198 021 56890 |
| 2414         | 1000uF., 20%, 16V, Electrolytic. . . .   | 2020 021 91049 | 3212 | 470 ohm, 5%. . . . .                     | 3198 021 54710 |
| 2416         | 470pF., 2kV, 10%, Ceramic. . . . .       | 2020 558 90483 | 3213 | 560 ohm, 5%, 1/6W Carbon . . . . .       | 3198 011 05610 |
| 2417         | 1000uF., 20%, 16V, Electrolytic. . . .   | 2020 021 91049 | 3217 | 330k, 5% . . . . .                       | 3198 021 53340 |
| 2418         | 0.01uF., 50V, Ceramic . . . . .          | 3198 017 01030 | 3218 | 82k, 5%. . . . .                         | 3198 021 58230 |
| 2419         | 1uF., 20%, 50V, Electrolytic . . . . .   | 2020 021 91147 | 3219 | 2.2k, 5% . . . . .                       | 3198 021 52220 |
| 2420         | 1uF., 20%, 50V, Electrolytic . . . . .   | 3198 025 51080 | 3226 | 560 ohm, 5%. . . . .                     | 3198 021 55610 |
| 2421         | 0.047uF, 50V, Ceramic. . . . .           | 3198 017 24730 | 3232 | 2.2k, 5% . . . . .                       | 3198 021 52220 |
| 2422         | 470uF., 20%, 16V, Electrolytic . . . .   | 2020 021 91577 | 3235 | 100 ohm, 5%, 1/6W Carbon . . . . .       | 3198 011 01010 |
|              |  |                | 3241 | 22k, 5%. . . . .                         | 3198 021 52230 |
|              |  |                | 3242 | 27k, 5%. . . . .                         | 3198 021 52730 |

# PL0119C125 (continued)

|      |  |                |      |  |                |
|------|--|----------------|------|--|----------------|
| 3244 | 820 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 08210 | 3531 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3245 | 39k, 5%. . . . .   | 3198 021 53930 | 3541 | 470 ohm, 5%. . . . .                       | 3198 021 54710 |
| 3246 | 10k, 5%. . . . .   | 3198 021 51030 | 3542 | 1.5k, 5%. . . . .                          | 3198 021 51520 |
| 3247 | 220k, 5%. . . . .  | 3198 021 52240 | 3543 | 82k, 1%, Metal Film. . . . .               | 2322 156 28203 |
| 3248 | 27k, 5%. . . . .   | 3198 021 52730 | 3544 | 6.8k, 1%, Metal Film . . . . .             | 2322 156 26802 |
| 3249 | 820 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 08210 | 3545 | 82k, 5%. . . . .                           | 3198 021 58230 |
| 3251 | 100 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01010 | 3546 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3254 | 1M, 5%. . . . .  | 3198 021 51050 | 3547 | 0.33 ohm, 5%, 1W, Power Resistor . . . . . | 3198 012 13370 |
| 3256 | 1k, 5%. . . . .  | 3198 021 51020 | 3548 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3257 | 10Meg, 5%. . . . .   | 3198 021 51060 | 3549 | 470 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 04710 |
| 3258 | 330k, 5%. . . . .  | 3198 021 53340 | 3552 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3259 | 470k, 5%. . . . .  | 3198 021 54740 | 3559 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3311 | 3.9k, 5%. . . . .  | 3198 021 53920 | 3561 | 220 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 02210 |
| 3312 | 330 ohm, 5%. . . . .   | 3198 021 53310 | 3562 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3313 | 10 ohm, 5%. . . . .  | 3198 021 51090 | 3563 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3314 | 18k, 5%, Metal Film. . . . .                                     | 2322 195 63183 | 3564 | 4.7 ohm, 5%, 2W, Power Resistor. . . . .   | 3198 012 24780 |
| 3316 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3565 | 330 ohm, 5%, 1W, Power Resistor. . . . .   | 3198 012 13310 |
| 3317 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3566 | 2.2k, 5%. . . . .                          | 3198 021 52220 |
| 3321 | 3.9k, 5%. . . . .  | 3198 021 53920 | 3569 | 5.6k, 5%. . . . .                          | 3198 021 55620 |
| 3322 | 330 ohm, 5%. . . . .   | 3198 021 53310 | 3580 | 47k, 5%. . . . .                           | 3198 021 54730 |
| 3323 | 10 ohm, 5%. . . . .  | 3198 021 51090 | 3603 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3324 | 18k, 5%, Metal Film. . . . .                                     | 2322 195 63183 | 3604 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3326 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3605 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3327 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3606 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3331 | 3.9k, 5%. . . . .  | 3198 021 53920 | 3607 | 2.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 02220 |
| 3332 | 330 ohm, 5%. . . . .   | 3198 021 53310 | 3608 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3333 | 10 ohm, 5%. . . . .  | 3198 021 51090 | 3611 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3334 | 18k, 5%, Metal Film. . . . .                                     | 2322 195 63183 | 3614 | 4.7k, 5%, 1/6W Carbon. . . . .             | 3198 011 04720 |
| 3336 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3615 | 10k, 5%, 1/6W Carbon . . . . .             | 3198 011 01030 |
| 3337 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3617 | 4.7k, 5%, 1/6W Carbon. . . . .             | 3198 011 04720 |
| 3341 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3618 | 6.8k, 5%, 1/6W Carbon. . . . .             | 3198 011 06820 |
| 3347 | 220 ohm, 5% Fusible Resistor NFR25 . . . . .                     | 2306 204 03221 | 3619 | 8.2k, 5%, 1/6W Carbon. . . . .             | 3198 011 08220 |
| 3348 | 1.5k, 20%, 1/2W Carbon . . . . .                                 | 3198 013 01520 | 3622 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3349 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                     | 2306 204 03158 | 3623 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3350 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                     | 2306 204 03158 | 3624 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3401 | 330k, 5%. . . . .  | 2322 242 13334 | 3625 | 100 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01010 |
| 3402 | 18k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01830 | 3626 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3403 | 22 ohm, 5%, 3W, Power Resistor . . . . .                         | 3198 012 32290 | 3627 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3404 | 6.8 ohm, 5%, Fusible Resistor NFR25. . . . .                     | 2306 204 03688 | 3628 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3406 | 10k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01030 | 3630 | 2.2k, 5%. . . . .                          | 3198 021 52220 |
| 3407 | 220 ohm, 5%, 3W, Power Resistor. . . . .                         | 3198 012 32210 | 3632 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3408 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 3636 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3410 | 33k, 5%. . . . .   | 3198 021 53330 | 3681 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3411 | 10 ohm, 5% Fusible Resistor NFR25. . . . .                       | 2306 204 03109 | 3682 | 3.3k, 5%. . . . .                          | 3198 021 53320 |
| 3412 | 3.3k, 1%, Metal Film . . . . .                                   | 2322 156 23302 | 3683 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3413 | 10k, 5%. . . . .   | 3198 021 51030 | 3684 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3414 | 1.5k, 1%, Metal Film . . . . .                                   | 2322 156 21502 | 3685 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3415 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 3686 | 1.5k, 5%. . . . .                          | 3198 021 51520 |
| 3416 | 68 ohm, 5%, Fusible Resistor NFR25 . . . . .                     | 2306 204 03689 | 3691 | 330 ohm, 5%. . . . .                       | 3198 021 53310 |
| 3417 | 33k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 03330 | 3693 | 220 ohm, 5%. . . . .                       | 3198 021 52210 |
| 3418 | 33k, 5%. . . . .   | 3198 021 53330 | 3694 | 4.7k, 5%. . . . .                          | 3198 021 54720 |
| 3419 | 6.8k, 5%. . . . .  | 3198 021 56820 | 3901 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3420 | 33k, 5%. . . . .   | 3198 021 53330 | 3902 | 3.3k, 5%. . . . .                          | 3198 021 53320 |
| 3421 | 6.8 ohm, 5%, 2W, Power Resistor. . . . .                         | 3198 012 26880 | 3903 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3422 | 100 ohm, 5%. . . . .   | 3198 021 51010 | 3904 | 10k, 5%. . . . .                           | 3198 021 51030 |
| 3423 | 820 ohm, 5%. . . . .   | 3198 021 58210 | 3907 | 8.2k, 5%. . . . .                          | 3198 021 58220 |
| 3424 | 100 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 01010 | 3941 | 100 ohm, 5%. . . . .                       | 3198 021 51010 |
| 3425 | 15k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01530 | 3942 | 3.9k, 5%. . . . .                          | 3198 021 53920 |
| 3426 | 1M, 5%. . . . .  | 3198 021 51050 | 3943 | 2.7k, 5%. . . . .                          | 3198 021 52720 |
| 3427 | 12k, 5%, 1/6W Carbon . . . . .                                   | 3198 011 01230 | 3944 | 2.7k, 5%. . . . .                          | 3198 021 52720 |
| 3428 | 39 ohm, 5% Fusible Resistor NFR25H . . . . .                     | 2306 207 03399 | 3945 | 1k, 5%. . . . .                            | 3198 021 51020 |
| 3431 | 3.3k, 5%. . . . .  | 3198 021 53320 | 3946 | 18k, 5%. . . . .                           | 3198 021 51830 |
| 3432 | 22 ohm, 5%, 1/6W Carbon. . . . .                                 | 3198 011 02290 | 3947 | 330 ohm, 5%. . . . .                       | 3198 021 53310 |
| 3471 | 6.8 ohm, 1%, Metal Film. . . . .                                 | 2322 156 26808 | 3948 | 47k, 5%. . . . .                           | 3198 021 54730 |
| 3472 | 3.9 ohm, 1%, Metal Film. . . . .                                 | 2322 156 23908 | 3949 | 15k, 5%. . . . .                           | 3198 021 51530 |
| 3473 | 2.2k, 1%, Metal Film . . . . .                                   | 2322 156 22202 | 3950 | 560 ohm, 5%. . . . .                       | 3198 021 55610 |
| 3474 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 3951 | 390 ohm, 5%. . . . .                       | 3198 021 53910 |
| 3475 | 2.2k, 1%, Metal Film . . . . .                                   | 2322 156 22202 | 3981 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3476 | 1.5 ohm, 5%, Fusible Resistor NFR25. . . . .                     | 2306 204 03158 | 3982 | 120 ohm, 5%, 1/6W Carbon . . . . .         | 3198 011 01210 |
| 3477 | 220 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02210 | 4001 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3478 | 220 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02210 | 4002 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3479 | 1k, 5%, 1/6W Carbon. . . . .                                     | 3198 011 01020 | 4181 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3500 | 3.3Meg, 5%. . . . .  | 2322 242 13335 | 4212 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3501 | 3.3Meg, 5%. . . . .  | 2322 242 13335 | 4216 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3502 | 4.7 ohm, 20%, 3.1W, Negative Temperature<br>Coefficient. . . . . | 2122 612 00055 | 4217 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3503 | 10 ohm, 30%, 120V, Positive Temperature<br>Coefficient. . . . .  | 2120 661 00026 | 4410 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3506 | Jumper Wire. . . . .   | 0322 179 00003 | 4501 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3507 | Surge Protector DSP-301N-A21F. . . . .                           | 2422 549 43073 | 4613 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3519 | 270 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 02710 | 4614 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3520 | 1.2k, 5%. . . . .  | 3198 021 51220 | 4615 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3521 | 4.7 ohm, 5%, 1/6W Carbon . . . . .                               | 3198 011 04780 | 4616 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3522 | 330k, 5%. . . . .  | 3198 021 53340 | 4617 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3523 | 100 ohm, 5%, Fusible Resistor NFR25 . . . . .                    | 2306 204 03101 | 4618 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3524 | 56k, 5%. . . . .   | 3198 021 55630 | 4619 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3525 | 1k, 5%. . . . .  | 3198 021 51020 | 4622 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3526 | 0.15 ohm, 5%, 1W, Power Resistor . . . . .                       | 3198 012 11570 | 4623 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3527 | 2.2k ohm, 5%, Fusible Resistor NFR25 . . . . .                   | 2306 204 03222 | 4691 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3528 | 10k, 5%. . . . .   | 3198 021 51030 | 4692 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3529 | 47k, 5%. . . . .   | 3198 021 54730 | 4693 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
| 3530 | 4.7k, 5%. . . . .  | 3198 021 54720 | 4807 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |  |                | 4811 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |
|      |  |                | 4812 | Zero ohm "Chip" Jumper . . . . .           | 3198 021 90020 |

S = Safety Part Be sure to use exact replacement part.

## PL0119C125 (continued)

|      |  |                |  |  |                |
|------|--|----------------|--|--|----------------|
| 4813 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7405                                   | Transistor BC857B . . . . .              | 3198 010 42150 |
| 4814 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7406                                   | Transistor BC857B . . . . .              | 3198 010 42150 |
| 4901 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7407                                   | Power Transistor BD135-16. . . . .       | 3198 020 41190 |
| 4911 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7408                                   | Power Transistor BD135-17. . . . .       | 3198 020 41190 |
| 4982 | Zero ohm "Chip" Jumper . . . . .                 | 3198 021 90020 | 7409                                   | Transistor BC857B . . . . .              | 3198 010 42150 |
| 5001 | Fixed Inductor, 5.6uH, 10% . . . . .             | 3198 018 25680 | 7471                                   | IC, TDA9302H . . . . .                   | 9322 088 25682 |
| 5002 | Fixed Inductor, 0.82uH, 10% . . . . .            | 3198 018 18270 | 7515                                   | Opto-Coupler, TCET1103(G). . . . .       | 9322 140 14667 |
| 5201 | Fixed Inductor, 6.8uH, 5% . . . . .              | 3198 018 16880 | 7520                                   | IC, TEA1507P/N1. . . . .                 | 9352 673 56112 |
| 5202 | Fixed Inductor, 10uH, 10% . . . . .              | 3198 018 21090 | 7521                                   | Power FET, STP5NC50FP. . . . .           | 9322 160 71687 |
| 5241 | Fixed Inductor, 10uH, 10% . . . . .              | 3198 018 21090 | 7522                                   | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5242 | Fixed Inductor, 10uH, 5% . . . . .               | 3198 018 11090 | 7540                                   | Transistor BC547B. . . . .               | 3198 020 40030 |
| 5341 | Fixed Inductor, 12uH, 5% SPT0508 . . . . .       | 2422 535 95598 | 7541                                   | Transistor PDTCL14ET. . . . .            | 9340 310 10215 |
| 5342 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 7542                                   | Transistor BC857B . . . . .              | 3198 010 42150 |
| 5403 | Fixed Inductor, 27uH, 10%, LHL08 . . . . .       | 2422 535 94888 | 7560                                   | IC, L78L33ACZ. . . . .                   | 9322 134 92676 |
| 5408 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7561                                   | Transistor PDTCL143ZT. . . . .           | 9340 547 00215 |
| 5410 | Fixed Inductor, 27uH, 5% SPT0508 . . . . .       | 2422 535 95366 | 7602                                   | IC M24C16-WBN6 . . . . .                 | 9322 147 25682 |
| 5444 | Signal Driver Transformer SC10009-03. . . . .    | 2422 531 02446 | 7902                                   | IC, AN7523N. . . . .                     | 9322 158 66667 |
| 5445 | LOT Transformer MSLOT4 . . . . .                 | 3128 138 21541 | 7941                                   | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5502 | AC Filter. . . . .                               | 2422 549 44284 | 7942                                   | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5520 | Transformer SS28011-04. . . . .                  | 2422 531 02458 | 7943                                   | Transistor BC847B . . . . .              | 3198 010 42030 |
| 5521 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9181                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5560 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9503                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5561 | Fixed Inductor, 27uH, 10% . . . . .              | 3198 018 22790 | 9692                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5562 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9696                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5563 | Fixed Inductor Bead, 100MHz. . . . .             | 3198 018 90010 | 9814                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5602 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9820                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5603 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9821                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5604 | Fixed Inductor, 5.6uH, 5% . . . . .              | 3198 018 15680 | 9822                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 5833 | Jumper Wire. . . . .                             | 0322 179 00003 | 9824                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6001 | Diode Regulator, BZX79-C33 (33Volt). . . . .     | 3198 010 23390 | 9825                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6201 | Diode, BAV21 . . . . .                           | 3198 010 10630 | 9825                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6202 | Diode, BAS316 . . . . .                          | 3198 010 10630 | 9826                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6206 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 | 9827                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6241 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 | 9828                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6311 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9829                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6321 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9830                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6331 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9832                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6341 | Diode, BAV21 . . . . .                           | 3198 010 10070 | 9833                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6342 | Diode, 1N4148. . . . .                           | 3198 010 10010 | 9982                                   | Jumper Wire. . . . .                     | 0322 179 00003 |
| 6343 | Diode Regulator, BZX384-C8V2 (8.2Volt) . . . . . | 3198 020 58280 | CBA                                    | Main Chassis . . . . .                   | 3139 178 85481 |
| 6401 | Diode, BAV21 . . . . .                           | 3198 010 10070 | <b>Model 14LX100/121 Cabinet Parts</b> |  |                |
| 6402 | Diode Rectifier, BYV27-200 . . . . .             | 9322 126 72673 | Model 14LX100/121 Cabinet Parts        |  |                |
| 6404 | Diode Rectifier, BYD33D. . . . .                 | 9337 410 30133 | S AC01                                 | AC Power Cord. . . . .                   | 3135 010 04751 |
| 6405 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | AC03                                   | Cabinet Back . . . . .                   | 3139 137 90281 |
| 6406 | Diode, BAV70. . . . .                            | 9331 849 10215 | AC04                                   | Cabinet Front. . . . .                   | 3139 137 78161 |
| 6407 | Diode, BAS316 . . . . .                          | 3198 010 10630 | AC05                                   | Chassis Guide. . . . .                   | 3139 124 34091 |
| 6408 | Diode, BAS316 . . . . .                          | 3198 010 10630 | AC06                                   | Control Buttons. . . . .                 | 3139 137 79211 |
| 6409 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | S AC08                                 | CRT A34EJM34X113 . . . . .               | 9301 815 60361 |
| 6410 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | S AC09                                 | Degaussing Coil. . . . .                 | 2422 549 44427 |
| 6413 | Diode, 1N4148. . . . .                           | 3198 010 10010 | AC10                                   | Degaussing Coil Holder (2 used). . . . . | 3135 013 01641 |
| 6414 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 | AC11                                   | Light Guide. . . . .                     | 3139 124 35851 |
| 6415 | Diode, BAS316 . . . . .                          | 3198 010 10630 | AC13                                   | Owner's Manual . . . . .                 | 3121 235 20151 |
| 6419 | Diode Regulator, BZX79-C5V6 (5.6Volt). . . . .   | 3198 010 25680 | AC14                                   | Power Button . . . . .                   | 3139 137 79201 |
| 6420 | Diode Regulator, BZX79-C9V1 (9.1Volt). . . . .   | 9331 177 80133 | REMOTE                                 | Remote Transmitter . . . . .             | 3139 228 87531 |
| 6423 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | AC16                                   | Speaker, 8W, 16 ohm. . . . .             | 2422 264 00407 |
| 6471 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | AC18                                   | Deflection Yoke. . . . .                 | 3306 133 24671 |
| 6500 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 | AC21                                   | Batteries f Remote Transmitter . . . . . | 9299 000 65263 |
| 6501 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 | AC24                                   | Degaussing Coil Spring . . . . .         | 3139 121 26231 |
| 6502 | Diode Rectifier, 1N5062. . . . .                 | 3198 010 10120 | AC32                                   | Assembly Braid . . . . .                 | 3135 010 07331 |
| 6520 | Diode Rectifier, BYD33D. . . . .                 | 9337 234 00133 | AC33                                   | Cabinet Door . . . . .                   | 3139 137 80281 |
| 6523 | Diode, 1N4148. . . . .                           | 3198 010 10010 |  |  |                |
| 6540 | Diode Regulator, BZX79-B6V2 (6.2Volt) . . . . .  | 9331 668 30133 |  |  |                |
| 6541 | Diode Regulator, BZX79-C10 (10Volt). . . . .     | 3198 010 21090 |  |  |                |
| 6560 | Diode Rectifier, BYW76-RAS15/10. . . . .         | 9322 127 32682 |  |  |                |
| 6562 | Diode Rectifier, EGP20DL-5100. . . . .           | 9322 164 42682 |  |  |                |
| 6563 | Diode, BAS316 . . . . .                          | 3198 010 10630 |  |  |                |
| 6565 | Diode, BAV70. . . . .                            | 9331 849 10215 |  |  |                |
| 6566 | Diode, BAS316 . . . . .                          | 3198 010 10630 |  |  |                |
| 6569 | Diode, BAS316 . . . . .                          | 3198 010 10630 |  |  |                |
| 6570 | Diode Regulator, BZX384-C6V8 (6.8Volt) . . . . . | 3198 020 56880 |  |  |                |
| 6681 | Diode, BAT85 . . . . .                           | 9336 247 60133 |  |  |                |
| 6691 | LED, VS LTL-10224WHCR. . . . .                   | 9322 050 99682 |  |  |                |
| 6692 | IR Receiver, TSOP1836UH3V. . . . .               | 9322 127 54667 |  |  |                |
| 6901 | Diode, BAS316 . . . . .                          | 3198 010 10630 |  |  |                |
| 7200 | IC, 2US1 Software Cluster. . . . .               | 9352 699 88557 |  |  |                |
| 7201 | Transistor BC847B . . . . .                      | 3198 010 42030 |  |  |                |
| 7204 | Transistor BC857B . . . . .                      | 3198 010 42150 |  |  |                |
| 7241 | Transistor PDTA114ET. . . . .                    | 3198 010 44010 |  |  |                |
| 7311 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7312 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7313 | Transistor BF423 . . . . .                       | 3198 020 43020 |  |  |                |
| 7321 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7322 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7323 | Transistor BF423 . . . . .                       | 3198 020 43020 |  |  |                |
| 7331 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7332 | Transistor BF422 . . . . .                       | 3198 020 43010 |  |  |                |
| 7333 | Transistor BF423 . . . . .                       | 3198 020 43020 |  |  |                |
| 7401 | Transistor PDTCL143ZT. . . . .                   | 9340 547 00215 |  |  |                |
| 7402 | Power Transistor BUT11APX-1200 . . . . .         | 9340 563 21127 |  |  |                |
| 7403 | Transistor BC337-25. . . . .                     | 3198 020 43530 |  |  |                |
| 7404 | Transistor BC636 . . . . .                       | 9332 219 50126 |  |  |                |

S = Safety Part Be sure to use exact replacement part.